Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	850	703/14.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/09/19 10:45
L2	5	("5426651" | "5926622" | "6049662" | "6074426" | "6205559").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/19 11:50
L3	777	model adj check$3	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/09/19 11:51
L4	398	L3 and (trace or path or backtrack$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 12:49
L5	15	("5243538" | "5349659" | "5377201" | "5469367" | "5481473" | "5485471" | "5497334" | "5522063" | "5526514" | "5528508" | "5649165" | "5671399" | "5787006" | "5801958" | "5805462").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/19 12:24
L6	5	("4688223" | "5027353" | "5187712" | "5323400" | "5414716").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/19 12:26
L7	14	("4930072" | "5163016" | "5291427" | "5463563" | "5513122" | "5606698" | "5680332" | "5752241" | "5764951" | "5937195" | "5995739" | "5999717" | "6009250" | "6175946").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/19 12:28
L8	117	L4 and distance	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 12:53
L9	1	L8 and hamming	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 12:50
L10	1	L4 and (multiple near counterexamples)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 12:53
L11	16	L4 and (multiple near traces)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 12:55

L12	83	multiple near proof$1	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 12:55
L13	15	L12 and (logic or model)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 13:02
L14	2	"5999717".pn.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 13:04
L15	2	"5485471".pn.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 13:12
L16	2	"6587998".pn.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 13:18
L17	1057	714/25.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 13:19
L18	679	L17 and @ad<"20010122"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 13:19
L19	168	L18 and model	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 13:19

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	disjoint adj trace$1	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 15:28
L2	291	disjoint adj path$2	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 15:28
L3	183	L2 and (theorem or model or logic)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/19 15:29

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Relevance scale ☐ ▬ ▬ ▬ ▬

1 Parsing expression grammars: a recognition-based syntactic foundation   ▬
Bryan Ford
January 2004 **ACM SIGPLAN Notices , Proceedings of the 31st ACM SIGPLAN-SIGACT symposium on Principles of programming languages**, Volume 39 Issue 1
Full text available: 📄 pdf(158.06 KB)   Additional Information: full citation, abstract, references, index terms

For decades we have been using Chomsky's generative system of grammars, particularly context-free grammars (CFGs) and regular expressions (REs), to express the syntax of programming languages and protocols. The power of generative grammars to express ambiguity is crucial to their original purpose of modelling natural languages, but this very power makes it unnecessarily difficult both to express and to parse machine-oriented languages using CFGs. Parsing Expression Grammars (PEGs) provide an alt ...

Keywords: BNF, GTDPL, TDPL, context-free grammars, lexical analysis, packrat parsing, parsing expression grammars, regular expressions, scannerless parsing, syntactic predicates, unified grammars

2 Session 1: Separating point sets in polygonal environments   ▬
Erik D. Demaine, Jeff Erickson, Ferran Hurtado, John Iacono, Stefan Langerman, Henk Meijer, Mark Overmars, Sue Whitesides
June 2004 **Proceedings of the twentieth annual symposium on Computational geometry**
Full text available: 📄 pdf(301.80 KB)   Additional Information: full citation, abstract, references, index terms

We consider the separability of two point sets inside a polygon by means of chords or geodesic lines. Specifically, given a set of red points and a set of blue points in the interior of a polygon, we provide necessary and sufficient conditions for the existence of a chord and for the existence of a geodesic path which separate the two sets when they exist we also derive efficient algorithms for their obtention. We study as well the separation of the two sets using a minimum number of pairwise no ...

Keywords: chords, geodesics, polygons, separability

3 Optimal length tree-like resolution refutations for 2SAT formulas   ▬
K. Subramani
April 2004 **ACM Transactions on Computational Logic (TOCL)**, Volume 5 Issue 2
Full text available: 📄 pdf(37.15 KB)   Additional Information: full citation, abstract, references, index terms, review

In this article, we exploit the graphical structure of 2SAT formulas to show that the shortest

tree-like resolution refutation of an unsatisfiable 2SAT formula can be determined in polynomial time.

Keywords: 2SAT formulas, Resolution, tree-like proofs

4 <u>Referencing and Retention in Block-Structured Coroutines</u>
Gary Lindstrom, Mary Lou Soffa
July 1981 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 3 Issue 3
Full text available: pdf(1.62 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

5 <u>Session 3A: Efficient estimation algorithms for neighborhood variance and other moments</u>
Edith Cohen, Haim Kaplan
January 2004 **Proceedings of the fifteenth annual ACM-SIAM symposium on Discrete algorithms**
Full text available: pdf(305.61 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>

The *neighborhood variance* problem is as follows. Given a (directed or undirected) graph with values associated with each node, compute a data structure that for any given node *v* and $r \geq 0$, would quickly produce an estimate of the variance of all values of nodes that lie within distance *r* from *v*. The problem can be generalized to other moment functions and to arbitrary distance-dependent decay.These problems are motivated by applications where the relevance o ...

6 <u>Characterizations of flowchartable recursions short version</u>
S. A. Walker, H. R. Strong
May 1972 **Proceedings of the fourth annual ACM symposium on Theory of computing**

Full text available: pdf(771.41 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

In this paper we give new characterizations for the flowchartability of recursive functionals. The general question of flowchartability is recursively undecidable. We present here an effective map from recursions to representatives for which the question is decidable. The decision provides a good approximation to a characterization for general flowchartability in the following senses: (1) if a representative is flowchartable then the recursions it represents are, and (2) there is a straight ...

7 <u>A Fast Optimal Robust Path Delay Fault Testable Adder</u>
Bernd Becker, Rolf Drechsler, Rolf Krieger, Sudhakar M. Reddy
March 1996 **Proceedings of the 1996 European conference on Design and Test**

Full text available: pdf(749.08 KB)
     Publisher Site   Additional Information: <u>full citation</u>, <u>abstract</u>

In this paper we explore the test complexity of the adder function with respect to the robust path delay fault model. A lower bound of Omega(n2) for the cardinality of a complete test set for a combinational n-bit adder is proven. This result is valid for any adder design known until now. In addition we present a fast O(sqrt(n))-time adder that is fully robust path delay fault testable with a test set of size Theta(n^2).

Keywords: test, adder, path delay fault model

8 <u>Session 6B: On the fractal behavior of TCP</u>
Anna Gilbert, Howard Karloff
June 2003 **Proceedings of the thirty-fifth annual ACM symposium on Theory of computing**

Full text available: 📄 pdf(355.07 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

We propose a natural, mathematically tractable model of TCP which captures both its additive-increase, multiplicative-decrease behavior and its feedback mechanism. Neither a fluid nor a mean-field model, our model does not explicitly model the loss process; the losses are entirely determined by the rates of the sources at the time of buffer overflow. The system involves two sources competing to send packets into one recipient buffer of size B, from which bytes are drained at the rate of < ...

Keywords: Internet, TCP, algorithm, fractal, network protocol

9 <u>Task migration in hypercube multiprocessors</u>

M.-S. Chen, K. G. Shin

April 1989 **ACM SIGARCH Computer Architecture News , Proceedings of the 16th annual international symposium on Computer architecture**, Volume 17 Issue 3

Full text available: 📄 pdf(720.40 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Allocation and deallocation of subcubes usually result in a fragmented hypercube where even if a sufficient number of hypercube nodes are available, they do not form a subcube large enough to execute an incoming task. As the fragmentation in conventional memory allocation can be handled by memory compaction, the fragmentation problem in a hypercube can be solved by task migration, i.e., relocating tasks within the hypercube to remove the fragmentation. The procedure for tas ...

10 <u>Embedding triple-modular redundancy into a hypercube architecture</u>

D. I. Kiskis, K. G. Shin

January 1988 **Proceedings of the third conference on Hypercube concurrent computers and applications: Architecture, software, computer systems, and general issues - Volume 1**

Full text available: 📄 pdf(827.13 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper describes an embedding of Triple Modular Redundancy (TMR) into a binary hypercube. The goal is to improve fault tolerance by masking any single-point faults. Each module of an application task is triplicated and executed in parallel on three nodes of a 2-dimensional subcube (Q2) of the hypercube. Each of these nodes also executes a voter process. The remaining node is used for message passing only. All outputs from the triplicated modules are ...

11 <u>Optimal algorithms for approximate clustering</u>

Tomás Feder, Daniel Greene

January 1988 **Proceedings of the twentieth annual ACM symposium on Theory of computing**

Full text available: 📄 pdf(1.08 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

In a clustering problem, the aim is to partition a given set of n points in d-dimensional space into k groups, called clusters, so that points within each cluster are near each other. Two objective functions frequently used to measure the performance of a clustering algorithm are, for any L4 metric, (a) the maximum distance between pairs of points in the same cluster, and (b) the maximum distance betwee ...

12 <u>Investigations of fault-tolerant networks of computers</u>

Piotr Berman, J'anos Simon

January 1988 **Proceedings of the twentieth annual ACM symposium on Theory of computing**

Full text available: 📄 pdf(923.48 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

13 On distributed processibility of datalog queries by decomposing databases

Guozhu Dong

June 1989 **ACM SIGMOD Record , Proceedings of the 1989 ACM SIGMOD international conference on Management of data**, Volume 18 Issue 2

Full text available: 📄 pdf(1.03 MB)   Additional Information: full citation, abstract, references, citings, index terms

    We consider distributed or parallel processing of datalog queries. We address this issue by decomposing databases into a number of subdatabases such that the computation of a program on a database can be achieved by unioning its independent evaluations on the subdatabases. More specifically, we identify two kinds of distributed-processible programs according to the properties of database decomposition. (i) A program is disjoint distributive if it is distrib ...

14 Session 9A: Dynamic generators of topologically embedded graphs

David Eppstein

January 2003 **Proceedings of the fourteenth annual ACM-SIAM symposium on Discrete algorithms**

Full text available: 📄 pdf(1.04 MB)   Additional Information: full citation, abstract, references, index terms

    We provide a data structure for maintaining an embedding of a graph on a surface (represented combinatorially by a permutation of edges around each vertex) and computing generators of the fundamental group of the surface, in amortized time $O(\log n + \log g(\log \log g)^3)$ per update on a surface of genus g; we can also test orientability of the surface in the same time, and maintain the minimum and maximum spanning tree of the graph in time $O(\log$ ...

15 Efficient handoff rerouting algorithms: a competitive on-line algorithmic approach

Yigal Bejerano, Israel Cidon, Joseph (Seffi) Naor

December 2002 **IEEE/ACM Transactions on Networking (TON)**, Volume 10 Issue 6

Full text available: 📄 pdf(785.97 KB)   Additional Information: full citation, abstract, references, index terms

    This paper considers the design of handoff rerouting algorithms for reducing the overall session cost in personal communication systems (PCS). Most modern communication systems that are used as an infrastructure for PCS networks are based on connection-based technologies. In these systems, the session cost is composed of two components. The setup cost represents the cost associated with the handoff operations, and the hold cost determines the expense related to the use of network resources held ...

Keywords: competitive analysis, connection management, handoff rerouting algorithms, online algorithms, personal communication systems (PCS)

16 Minimum-energy broadcasting in static ad hoc wireless networks

P. J. Wan, G. Călinescu, X. Y. Li, O. Frieder

November 2002 **Wireless Networks**, Volume 8 Issue 6

Full text available: 📄 pdf(254.58 KB)   Additional Information: full citation, abstract, references, citings, index terms

    Energy conservation is a critical issue in ad hoc wireless networks for node and network life, as the nodes are powered by batteries only. One major approach for energy conservation is to route a communication session along the route which requires the lowest total energy consumption. This optimization problem is referred to as Minimum-Energy Routing. While the minimum-energy unicast routing problem can be solved in polynomial time by shortest-path algorithms, it remains open whether the minimum ...

Keywords: ad hoc wireless networks, energy conservation

17

Session 11A: Time-space tradeoffs, multiparty communication complexity, and

nearest-neighbor problems
Paul Beame, Erik Vee
May 2002 **Proceedings of the thiry-fourth annual ACM symposium on Theory of computing**

Full text available: 📄 pdf(283.96 KB)   Additional Information: full citation, abstract, references, citings, index terms

(MATH) We extend recent techniques for time-space tradeoff lower bounds using multiparty communication complexity ideas. Using these arguments, for inputs from large domains we prove larger tradeoff lower bounds than previously known for general branching programs, yielding time lower bounds of the form $T=\Omega(n\log^2 n)$ when space $S=n^{1-\epsilon}$, up from $T=\Omega(n\log n)$ for the best previous results. We also prove the first unrestricted separation of the power of general and oblivio ...

18 The complexity of searching a graph
N. Megiddo, S. L. Hakimi, M. R. Garey, D. S. Johnson, C. H. Papadimitriou
January 1988 **Journal of the ACM (JACM)**, Volume 35 Issue 1

Full text available: 📄 pdf(2.28 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

T. Parsons originally proposed and studied the following pursuit-evasion problem on graphs: Members of a team of searchers traverse the edges of a graph G in pursuit of a fugitive, who moves along the edges of the graph with complete knowledge of the locations of the pursuers. What is the smallest number s(G) of searchers that will suffice for guaranteeing capture of the fugitive? It is shown that determining whether s(

19 The all-geodesic furthest neighbor problem for simple polygons
S. Suri
October 1987 **Proceedings of the third annual symposium on Computational geometry**

Full text available: 📄 pdf(1.14 MB)   Additional Information: full citation, abstract, references, citings, index terms

We present an &Ogr;(n logn) time and &Ogr; (n) space algorithm for the following problem in a simple polygon P with n vertices: For each vertex u of P, find another vertex &pgr;(u) that is furthest from u, where the distance between two points is measured by the length of the shortest internal path connecti ...

20 Shape sensitive geometric permutations
Yunhong Zhou, Subhash Suri
January 2001 **Proceedings of the twelfth annual ACM-SIAM symposium on Discrete algorithms**

Full text available: 📄 pdf(711.03 KB)   Additional Information: full citation, abstract, references, citings, index terms

We prove that a set of n unit balls in R^d admits at most *four* distinct geometric permutations, or line transversals, thus settling a long-standing conjecture in combinatorial geometry. The constant bound significantly improves upon the &THgr;(n^{d-1}) bound for the balls of arbitrary radii. Intrigued by this large gap between the two bounds, we also investigate how the number of geometric permutations varies as a function of shape, size, a ...

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<u>Relative Expressiveness of Typed and Untyped Relational.. - Cabibbo, Van den Bussche</u> (Correct) (1 citation)
With types, there are a finite number of pairwise **disjoint** domains, and each attribute has one of these
into a finite number of domains, i.e.pairwise **disjoint** sets of values. We will denote the domains by
a relation of some fixed type (we include a **proof** of this fact in this note)Our result shows that
151.100.16.20/pub/cabibbo/typed_algebra.ps

<u>An Algorithm to Evaluate Quantified Boolean Formulae - Cadoli, Giovanardi, Schaerf (1998)</u> (Correct)
<u>(45 citations)</u>
a QBF in which the quantifiers are applied to k **disjoint** sets of variables and the sequence of
For example, if X 1 ,X 2 ,and X 3 are mutually **disjoint** sets of propositional variables, then the
from G(Pi) by deleting all tautological clauses. **Proof**. Let us assume that G 0 Pi) is non-empty.
www.dis.uniroma1.it/pub/AI/papers/cado-giov-scha-98.ps.gz

<u>Some New Results on Possibilistic Measurement - Cliff Joslyn (1993)</u> (Correct)
is based on the observations of possibly non-**disjoint** intervals. From these set statistics an
derived random set S E If F E is a **disjoint** class, then S E generates a probability
to C(and monotone decreasing from C(to 1. **Proof**: Let x 2 IR. The **proof** will be carried out for x
ftp.c3.lanl.gov/pub/joslyn/nafips93.ps.gz

<u>Hausdorff dimension for horseshoes in R³ - Simon, Solomyak (1998)</u> (Correct)
conditions (H1)H3)H1) There exist **disjoint** closed intervals I 1 I m whose union
`baker's maps'Let I k be closed intervals with **disjoint** interiors such that S m 1 I k =0 1]A
in the literature. Finally, a few comments on the **proof** of Theorem 1 are given. 1. Let F be a horseshoe
www.math.washington.edu/~solomyak/PREPRINTS/horse3.ps

<u>Critical Motion Sequences and Conjugacy of Ambiguous Euclidean.. - Sturm (1997)</u> (Correct) (2 citations)
even if there are discrete solutions or **disjoint** families of solutions. 1 Introduction 1.1
Euclidean reconstructions is partitioned into **disjoint** solution families or even discrete solutions.
transformation between any pair of P P i .**Proof**. Let the canonical projection matrices P E i be
www.inrialpes.fr/movi/people/Sturm/conjugacy.ps.gz

<u>Specification and Proof in Membership Equational Logic - Bouhoula, Jouannaud, Meseguer (1996)</u> (Correct)
<u>(12 citations)</u>
now a K-kinded set X =K2KXK of variables, whose **disjoint** subsets XK for K 2 K are all denumerable
subsets XK for K 2 K are all denumerable (and **disjoint** from \Sigma)we define the set of many-kinded
Specification and **Proof** in Membership Equational Logic Adel Bouhoula
www.loria.fr/~bouhoula/BouhoulaJM-CAAP97.ps

<u>Coordinated Checkpointing-Rollback Error Recovery for.. - Janakiraman, Tamir (1994)</u> (Correct) (32 citations)
partition the total virtual system space into **disjoint** task virtual spaces. Processes belonging to
Processes belonging to different tasks execute in **disjoint** address spaces and cannot share data. N Disk
ftp.cs.ucla.edu/tech-report/94-reports/940027.ps.Z

<u>RPM: A Rapid Prototyping Engine For Multiprocessor.. - Barroso, Iman, Jeong.. (1995)</u> (Correct) (8 citations)
may be shared (shared-memory systems) or **disjoint** (messagepassing systems)Within each class of
There are two dominant models. One is based on **disjoint** memories and message-passing and the other is
usc.edu/pub/CENG/1994/CENG-94-00.ps.Z

<u>The 2-Hop Spanning Tree Problem. - Dahl (1997)</u> (Correct) (3 citations)
If D is a directed graph and S and T are **disjoint** subsets of nodes in D the (S, T)denotes the
covering V such that these stars are pairwise **disjoint** except that they all contain the root r. We
optimal 2-hop spanning tree in the 2HST problem. **Proof**. Let y be a vertex of P .Thus, y is a feasible
www.ifi.uio.no/~ftp/publications/research-reports/GDahl-3.ps

<u>Computing All Small Cuts in an Undirected Network - Nagamochi, Nishimura, Ibaraki (1994)</u> (Correct)

while \means \or \For two **disjoint** subsets XY V of a network N ,E(XY N)
6= X 6= V .We say that a cut X separates two **disjoint** subsets Y and Y 0 of V if Y X and Y 0 V
cut T can be computed in O(n(m n log n)time. **Proof**. Assume n 3. We use the O(m n log n) time
www.kuamp.kyoto-u.ac.jp/labs/or/members/naga/paper/siamdm.ps.gz

Complete Enumeration of Equilibria for Two-Person Games in.. - Audet Hansen   (Correct)
the union of a finite number of not necessarily **disjoint** polytopes called Nash subsets (Millham 1974)
(1978) approaches the question through the **disjoint** bilinear formulation proposed by Mills (1960)
ftp.hpc.uh.edu/pub/ipco98/audet.ps

A Term Calculus for Intuitionistic Linear Logic - Benton, Bierman, de Paiva.. (1993)   (Correct)   (43 citations)
the assumptions of the two upper deductions are **disjoint**, i.e. their set of labels are **disjoint**. This
are **disjoint**, i.e. their set of labels are **disjoint**. This upholds the fundamental feature of linear
for both the sequent calculus and natural deduction **proof** systems. Our system differs from previous calculi
sunsite.doc.ic.ac.uk/public/packages/doc.ic.ac.uk/theory/guests/BiermanGM/tlca93.ps.gz

Simplifying the Development of Fault-Tolerant Distributed.. - Melliar-Smith And   (Correct)
other. We have two problems. If the actions are **disjoint**, large parts of the state may need to be
we discuss this below. If the actions are not **disjoint**, there is a more serious problem of reconciling
www.beta.ece.ucsb.edu/ftp/TOTEM/pdpip95.ps.Z

Logic with Probabilistic Operators - Alechina (1994)   (Correct)
2 \Theta w and \Theta w is closed with respect to **disjoint** union. **Proof**sketch. Consistency is obvious. For
P 1 (2 w) and is closed with respect to **disjoint** unions of definable subsets (due to A2)
complete with respect to the class of PPL-models. **Proof** can be found in section 4. 2 Claim 2 Weak PPL is
www.illc.uva.nl/Publications/Lists/../ResearchReports/CT-1994-11.text.ps.gz

Using Blocks for Constraint Satisfaction - Seybold, Metzger, Ogan, Simon   (Correct)
vertices are adjacent. Two paths are vertex **disjoint** if they do not share any vertices except the
are biconnected if there are at least two vertex **disjoint** paths between them. A block B (biconnected
is preserved during block-consistency enforcement. **Proof** Block-consistency enforcement results in
ftp.inf.ethz.ch/pub/publications/tech-reports/2xx/297.ps.gz

Study of Scalable Declustering Algorithms for Parallel Grid Files - Bongki Moon (1996)   (Correct)   (7 citations)
to a single application. It divides the data into **disjoint** subspaces based on the processing requirements
dense data. Grid files partition the dataset into **disjoint** subspaces and maintain a grid-based index
if M I fi 6= 0 fi M(1 \Gamma 1=fi) I if M ?I: **Proof**. Given in [19]Theorem 1 gives closed form
ftp.cs.umd.edu/pub/papers/papers/ncstrl.umcp/CS-TR-3589/CS-TR-3589.ps.Z

Towards an Ontology for Library Modalities - Welty (1998)   (Correct)   (1 citation)
is a document. 3 Ontology There are two major (**disjoint**) modality types: internal-modality and
as postscript and PDF)The purpose of the latter **disjoint** categories is to distinguish text that can
www.cs.vassar.edu/~weltyc/papers/multi-modal98.ps

Exploiting Signal Flow and Logic Dependency in Standard Cell.. - Cong, Xu (1995)   (Correct)   (1 citation)
then MFFC w MFFC v .P2) Two MFFCs are either **disjoint** or one must contain another. Based these
decompose a combinational circuit N into a set of **disjoint** MFFCs as follows: i) choose a primary output
ballade.cs.ucla.edu:8080/~cong/papers/aspdac95.ps.Z

A Hybrid Multilevel/Genetic Approach for Circuit Partitioning - Alpert, Hagen, Kahng (1996)   (Correct)
(9 citations)
one. A bipartitioning P =fXY g is a pair of **disjoint** clusters (i.e.subsets of V)X and Y such
A k-way clustering of H(VE) is a set of **disjoint** clusters P k fC1 C2 Ckg such that
vlsicad.cs.ucla.edu/papers/conference/c54.ps

A Problem with Long-Term Computing Processes, and What Can Be .. - Naftaly Minsky   (Correct)
to be auditable, a system S must consist of two **disjoint** parts: the base-part S b ,whose purpose is to
maintenance of S should be partitioned into two **disjoint** groups: the group P b responsible for the base
www.cs.rutgers.edu/pub/technical-reports/lcsr-tr-226.ps.Z

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Backtracking in a Multiple-Window Hypertext Environment
M Bieber, J Wan - ECHT, 1994 - portal.acm.org
... node might belong to **multiple** logical tasks (such as window B in Figure 1, and nodes
c and in Figure 3). If a multi-**path** node is removed upon **backtracking**, we ...
Cited by 26 - Web Search - portal.acm.org - ecs.soton.ac.uk

Logic systems for **path** delay test generation.
S Bose, P Agrawal, VD Agrawal - IEEE, IEEE SERVICE CENTER, PISCATAWAY, NJ(USA), 1993,, 1993 -
ieeexplore.ieee.org
... 23-value system to test generation for **multiple path** faults in ... steady at 0). Consider
the off-**path** input of ... This may lead to unnecessary **backtracking** dur- ing ...
Cited by 13 - Web Search - ieeexplore.ieee.org - csa.com

Multiple path sensitization for hierarchical circuit testing
CC Su, C Kime - Proc. International Test Conference, 1990 - ieeexplore.ieee.org
Page 1. **Multiple Path** Sensitization for Hierarchical Circuit Testing ... The Interface
for HPath HPath is a versatile **multiple path** sensitization algo- rithm. ...
Cited by 3 - Web Search - ieeexplore.ieee.org

On **path** delay testing in a standard scan environment
P Varma, CCT Inc, CA San Jose - The 1994 IEEE International Test Conference, 1994 - ieeexplore.ieee.org
... 27] to generate two system clock cycle functional justification based **path** delay
tests ... sion techniques to take advantage of clock gating or **multiple** clocks in ...
Cited by 13 - Web Search - ieeexplore.ieee.org - portal.acm.org - csa.com

Speed Up of Test Generation Using High-Level Primitives
RP Kunda, JA Abraham, BD Rathi, P Narain - DAC, 1990 - portal.acm.org
... Backtrack if there is a conflict. If the primitive has **multiple** fault-free/faulty
outputs, then select a **path** for fault ... DEPENDENCY DIRECTED **BACKTRACKING** ...
Cited by 18 - Web Search - ieeexplore.ieee.org - portal.acm.org - ieeexplore.ieee.org

A high-level approach to test generation
... , J Propagation, E Implication, DD **Backtracking** - IEEE Transactions on Circuits and Systems I Fundamental
..., 1993 - ieeexplore.ieee.org
... A detailed description of the depetidency-directed **backtracking** scheme is provided
in ... This simplified the process of justified and **multiple path** propagation. ...
Cited by 3 - Web Search - ieeexplore.ieee.org

DYNAMITE: An Efficient Automatic Test Pattern Generation System for **Path** Delay Faults
K Fuchs, F Fink, MH Schulz - IEEE Trans. Computer-Aided Design, 1991 - ieeexplore.ieee.org
... at a. Actually, **path** P, can easily be shown to be not testable under the restrictive
condition of robustness that does justice to a **multiple** fault assumption ...
Cited by 72 - Web Search - ieeexplore.ieee.org - csa.com

MUST: **multiple**-stem analysis for identifying sequentially untestable faults
Q Peng, M Abramovici, J Savir, L Technologies - ITC, 2000 - ieeexplore.ieee.org
... 3 **Multiple** Stem Analysis Algo- rithm ... a=b=l disables the unique propagation **path** through
gate ... of these conditions are deter- mined by **backtracking**-based search. ...
Cited by 10 - Web Search - ieeexplore.ieee.org - portal.acm.org - portal.acm.org

MP-DSR: A QoS-Aware Multi-**Path** Dynamic Source Routing Protocol for Wireless Ad-Hoc Networks

R Leung, J Liu, E Poon, ALC Chan, B Li - CONF LOCAL COMPUT NETWORKS. pp. 132-141. 2001, 2001 -
doi.ieeecs.org
... Disjoint Paths. In **multiple path** routing, data transmission fails if and
only ifall disjoint paths fail at the same time. Thus, the ...
Cited by 18 - Web Search - doi.ieeecomputersociety.org - eecg.toronto.edu - tc-net.insa-lyon.fr - all 9 versions »

[PS] A parallel Prolog resolution based on **multiple** unifications
I Vlahavas, P Kefalas - Parallel Computing, 1992 - csd.auth.gr
... **backtracking**, new resolvents are placed at the top of a stack. In every resolution
step the ... 3. **Multiple Path** Parallel Unification (MPU) Resolution ...
Cited by 2 - View as HTML - Web Search - csa.com

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| multiple path backtracking | | Search |

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| multiple path hamming | 1951 | - | 2001 | Search | Adv Sch Sch |

Scholar

Results **1 - 10** of about **2,310** for **multiple path hamming**. (0.09 seconds)

Liver fibrosis after extracorporeal shock-wave lithotripsy of gallbladder stones
PW Plaisier, JF **Hamming**, RL Hul, R Toom, HA ... - Surgical Endoscopy, 1994 - springerlink.com
... P. W. Plaisier, J. F. **Hamming**, R. L. van ... to cholecystectomy the patient underwent
multiple extracorporeal shock ... to the shock-wave transmission **path**, which was ...
Cited by 1 - Web Search - ncbi.nlm.nih.gov

Information and cut-off rates for **multiple**-pulse position modulation on multi-**path** channels
H Park - IEE PROC OPTOELECTRON, 2000 - ieeexplore.ieee.org
... we can expect the received signal with **multiple** reflections to ... A natural model for
the multi-**path** channel is ... have a unity weight and equal **Hamming** distance of 2 ...
Cited by 1 - Web Search - ieeexplore.ieee.org - link.aip.org - csa.com

Design of an optimal test pattern generator for built-in self testing of **path** delay faults
DK Das, I Chaudhuri, BB Bhattacharya - Proceedings of the Eleventh International Conference on VLSI ..., 1998 -
ieeexplore.ieee.org
... s), such a pair is known as single (**multiple**)-input-change ... In SIC test scheme of
path delay fault testjug, a ... that differs from X by unit **hamming** distance in a ...
Cited by 4 - Web Search - ieeexplore.ieee.org - portal.acm.org - portal.acm.org

Design of an Augmented Generalized Cube Network
BS Lee, DH Chi, TD Han - ICPADS, 1997 - doi.ieeecomputersociety.org
... (0 < j 5 h,Ak,Al : t wo destination nodes whose **Hamming** distance is h) N. ... istics
of AGCN 3.1 Performance analysis of AGCN Generally, a **multiple path** MIN shows ...
Web Search - doi.ieeecs.org - ieeexplore.ieee.org - portal.acm.org - all 5 versions »

Hybrid DS/SFH Spread-Spectrum **Multiple** Access with Predetection Diversity and Coding for Indoor ...
J Wang, M Moeneclaey - IEEE Journal on Selected Areas in Communications, 1992 - ieeexplore.ieee.org
... conjunction with interleaved channel coding [**Hamming** (7, 4 ... the frequency of the
reference **path** signal. ... MOENECLAEY: HYBRID DSISFH SPREAD-SPECTRUM **MULTIPLE** ACCESS ...
Cited by 8 - Web Search - ieeexplore.ieee.org - csa.com

An extension of **path** coupling and its application to the Glauber dynamics for graph colorings
M Dyer, LA Goldberg, C Greenhill, M Jerrum, M ... - PROC ANNU ACM SIAM SYMP DISCRETE ALGORITHMS,
2000 - epubs.siam.org
... We run the **path** coupling for **multiple** steps and use the expected behavior of the
coupling at a certain stopping time to bound the expected behavior of the ...
Cited by 15 - Web Search - comp.leeds.ac.uk - eecs.harvard.edu - dcs.ed.ac.uk - all 17 versions »

Multiuser detection for multi-rate CDMA in multi-**path** fading channels
PW Fu, KC Chen - IEEE VEH TECHNOL CONF, 2000 - ieeexplore.ieee.org
... where the high data rate is an integer **multiple** M of ... of the kth generalized user
in multi-**path** fading channels ... where 4s) is the **Hamming** weight of E , Ai is the ...
Web Search - ieeexplore.ieee.org - csa.com

... detectors with decision feedback for asynchronous spread-spectrum **multiple** access in multipath ...
BC Skelton, DP Taylor - IEEE Transactions on Communications, 2001 - ieeexplore.ieee.org
... receiver family in an -**path** multipath fading ... 3]. The technique employed treats the
multiple-access interference ... noise (AWGN), is the **Hamming** distance between ...
Web Search - ieeexplore.ieee.org - emis.de - csa.com

Design and Characterization of an Error-Correcting Code for the SONET STS-1 Tributary
AWH Codes - IEEE TRANSACTIONS ON COMMUNICATIONS, 1990 - ieeexplore.ieee.org
... The simple **Hamming** code1 seems well suited because we ... and do not assume any exotic
multiple-error environment ... one tributary, 2) additive signal-**path** delay must ...
Cited by 6 - Web Search - ieeexplore.ieee.org - csa.com

Conclusions: We have demonstrated a method of fault local-
WF **Hamming** - Appl. Opt, 1976 - ieeexplore.ieee.org
... **Hamming** WF: ... 3 **Path** of travelling of input signal in MIT ... The effect of **multiple**
reflections between taps is fully allowed for, and almost arbitrary phase and ...
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Multiple Trace Theory of Human Memory: Computational, Neuroimaging, and Neuropsychological Results
A Tucson - HIPPOCAMPUS, 2000 - doi.wiley.com
... 100%. The criterion for a successful recall was a **Hamming** distance of less than
20. ... **MULTIPLE TRACE** THEORY OF HUMAN MEMORY 357 Page 7. strate ...
Cited by 78 - Web Search - merlin.psych.arizona.edu - hmb.utoronto.ca - psychol.ucl.ac.uk - all 6 versions »

Quadratic forms, generalized Hamming weights of codes and curves with many points
G van der Geer, M van der Vlugt - J. Number Theory, 1996 - arxiv.org
... In a series of papers [GV-2, 3, 4] we showed that there is a relation between gen-
eralized **Hamming** weights of **trace** codes and the number of rational points on ...
Cited by 11 - View as HTML - Web Search - ingentaconnect.com - adsabs.harvard.edu - all 6 versions »

[PS] SpotLight: Best-First Search of FSM State Space
CH Yang, DL Dill - IEEE International High Level Design Validation and Test ..., 1996 - sprout.stanford.edu
... **Hamming** Distance to Error Zone N **Multiple** Checks N **Hamming** distance ... checks N Uses
Hamming distance to do Best-First Search ... 33 Error **Trace** inside the Error Zone ...
Cited by 4 - View as HTML - Web Search - verify.stanford.edu

Quasi-orthogonal sequences for code-division multiple-access systems
K Yang, YK Kim, PV Kumar - IEEE Trans. Inform. Theory, 2000 - ieeexplore.ieee.org
... of channels in synchronous code-division **multiple**-access (CDMA ... of with , where denotes
the **Hamming** distance between ... The **trace** function is a mapping from to , ...
Cited by 19 - Web Search - ece.iisc.ernet.in

Wavelength division multiple access channel hypercube processor interconnection
PW Dowd - IEEE Transactions on Computers, 1992 - doi.ieeecomputersociety.org
... Diameter: A node P = (p,. .. .pl) has one port for each incident **multiple** access
channels ... the degree is T. The distance between nodes is the **Hamming** distance be ...
Cited by 58 - Web Search - doi.ieeecs.org - portal.acm.org - ieeexplore.ieee.org - all 7 versions »

Instruction execution sequence confirmation
KP Litchfield - ACM SIGARCH Computer Architecture News, 1994 - portal.acm.org
... analysis of an instruction execution **trace** is not ... it becomes extremely unlikely that
multiple malfunctions will ... a minimal code would have **Hamming** distance 4. A ...
Web Search - portal.acm.org

Multiple region MRI
SK Nagle, DN Levin - Magnetic Resonance in Medicine, 1999 - doi.wiley.com
... **Multiple** Region MRI ... cells that support I, I(x, y) is the reconstructed noise image,
and each coarse k-space grid has the dimensions N x N y . The **trace** on the ...
Cited by 12 - Web Search - naglenowlan.net - www-radiology.uchicago.edu - ncbi.nlm.nih.gov - all 6 versions »

Multiple-phase codes for detection without carrier phase reference
FW Sun, H Leib - IEEE Trans. Inform. Theory, 1998 - ieeexplore.ieee.org
... **Hamming** codes. Many of these new codes provide significantly larger coding gains
than previously known codes. Linear codes derived from Code- Division **Multiple**- ...
Cited by 8 - Web Search - ieeexplore.ieee.org

Generalized multiple description coding with correlating transforms
VK Goyal, J Kovacevic - IEEE Transactions on Information Theory, 2001 - ieeexplore.ieee.org
... GOYAL AND KOVACEVIC: GENERALIZED **MULTIPLE** DESCRIPTION CODING WITH CORRELATING

TRANSFORMS ... Witsenhausen, Wolf, and Ziv for a binary source and **Hamming** distortion ...
Cited by 56 - Web Search - andrew.cmu.edu - rle.mit.edu - lcavwww.epfl.ch - all 6 versions »

... GF (q). that is a basis {o. ri... n"} verifies Tr5 (Q'to")= h,) Trq is the **trace** func! ion of ...
I INTRODUCTION - IEEE TRANSACTIONS ON INFORMATION THEORY, 1995 - ieeexplore.ieee.org
... r = — 11/2], codewords in RMr,,, have **Hamming** weight **multiple** of 2, for ttt cvcn,
and **multiple** of 4 ... Tr5(Q'to") = h,)Trq is the **trace** funclion ...
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Multiple Trace Theory of Human Memory: Computational, Neuroimaging, and Neuropsychological Results

A Tucson - HIPPOCAMPUS, 2000 - doi.wiley.com
... criterion for a successful recall was a **Hamming** distance of ... i) the normal forgetting
in the connectionist **model** is higher ... MULTIPLE TRACE THEORY OF HUMAN MEMORY ...
Cited by 78 - Web Search - merlin.psych.arizona.edu - hmb.utoronto.ca - psychol.ucl.ac.uk - all 6 versions »

Series solution for two-frequency Bragg interaction using the Korpel-Poon multiple-scattering model

RK Appel, MG Somekh - Journal of the Optical Society of America A: Optics and ..., 1993 - josaa.osa.org
... using the Korpel-Poon **multiple**-scattering **model** R. K. Appel and M. G. Somekh ... Section
2 presents an overview of this Korpel-Poon **multiple**-scattering **model**. ...
Cited by 2 - Web Search - josaadev.osa.org - adsabs.harvard.edu - csa.com - all 5 versions »

[PS] SpotLight: Best-First Search of FSM State Space

CH Yang, DL Dill - IEEE International High Level Design Validation and Test ..., 1996 - sprout.stanford.edu
... **Hamming** Distance to Error Zone N **Multiple** Checks N **Hamming** distance ... checks N Uses
Hamming distance to do Best-First Search ... 33 Error **Trace** inside the Error Zone ...
Cited by 4 - View as HTML - Web Search - verify.stanford.edu

... neurons in the normal and the tremulous 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine vervet model ...

A Raz, E Vaadia, H Bergman - J Neurosci, 2000 - jneurosci.org
... All of the cross-correlograms have **multiple** significant peaks ... is the spike train,
the middle **trace** is the spike train smoothed with a digital **Hamming** window 20 ...
Cited by 68 - Web Search - basalganglia.huji.ac.il - motorcortex.huji.ac.il - ncbi.nlm.nih.gov - all 5 versions »

Dynamics and statistical mechanics of the Hopfield model

AD Bruce, EJ Gardner, DJ Wallace - Journal of Physics A: Mathematical and General, 1987 - iop.org
... the distribution p of the fractional **Hamming** distance D ... capacity is obtained for
the S **model** (A = 1 ... Then, after doing the **trace** over the random variables V:r ...
Cited by 13 - Web Search - iop.org - adsabs.harvard.edu

Dynamic publication model for neurophysiology databases

D Gardner, M Abato, KH Knuth, R DeBellis, SM Erde - Philos Trans R Soc Lond B Biol Sci, 2001 -
journals.royalsoc.ac.uk
... Acknowledging **Hamming's** (1962) dictumö`the purpose of computing is ... __ series __ view
can include **multiple** traces from any or all subtypes of time __ **trace**. ...
Cited by 12 - Web Search - ncbi.nlm.nih.gov

Linear dynamic model for design of stable explicit-rate ABR control schemes

Y Zhao, SQ Li, S Sigarto, TRI Southwestern Bell, ... - PROC IEEE INFOCOM, 1997 - doi.ieeecs.org
... With the first **model** of W(z) = 5, the Ha ... I 1 for MPEG video traffic especially when
multiple video connections are ... like a sin- gle MPEG video **trace**, the scheme ...
Cited by 39 - Web Search - doi.ieeecomputersociety.org - ece.utexas.edu - portal.acm.org - all 7 versions »

Optimal geometric model matching under full 3 D perspective

JR Beveridge, EM Riseman - PROC IEEE CAD BASED VISION WORKSHOP, IEEE, LOS ALAMITOS, CA, ...,
1994 - ieeexplore.ieee.org
... Figure 5. The lower table shows a **trace** terminating with ... With all our local search
algorithm, **multiple** trials are ... of the n neighbors in the **Hamming**-Distance-1 ...
Cited by 34 - Web Search - portal.acm.org - csa.com - all 5 versions »

Using Second-Order Power Analysis to Attack DPA Resistant Software

TS Messerges - CHES, 2000 - springerlink.com
... by a simple **model** based on **Hamming** weights. ... one or more samples within a single power
trace. ... properties of the power consumption at **multiple** sample times ...
Cited by 54 - Web Search - portal.acm.org - portal.acm.org

Wavelength division **multiple** access channel hypercube processor interconnection

PW Dowd - IEEE Transactions on Computers, 1992 - doi.ieeecomputersociety.org
... Diameter: A node P = (p,. .. .pl) has one port for each incident **multiple** access
channels ... the degree is T. The distance between nodes is the **Hamming** distance be ...
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<u>Parallel and Distributed Search for Structure in.. - Oates, Schmill, Cohen (1996)</u> <u>(Correct)</u> <u>(3 citations)</u>
Distributing the search for structure over **multiple** processors or networked machines makes mining of
www-eksl.cs.umass.edu/papers/Oates96a.ps

<u>Reactive Visual Control of Multiple Non-Holonomic Robotic Agents - Han, Veloso (1998)</u> <u>(Correct)</u> <u>(3 citations)</u>
Reactive Visual Control of **Multiple** Non-Holonomic Robotic Agents Kwun Han Manuela
point is marked with a cross. Figure 5: Sample **trace** of the execution of the reactive control
= y k \Delta k k1 =k The above equations **model** the ball with simple Newtonian dynamics. k is a
www.cs.cmu.edu/afs/cs/user/kwunh/www/pubs/visual.ps.gz

<u>Supporting Transcontinental Collaborative Work in Persistent.. - Leigh, Johnson (1996)</u> <u>(Correct)</u> <u>(6 citations)</u>
create a persistent virtual environment enabling **multiple** transcontinentally-situated participants to
the dominant perspective for viewing architectural **models** in VR is through an egocentric (inside-out)
There is a large collection of VRML architectural **models** appearing on the Web which can be used as **models**
www.evl.uic.edu/aej/papers/ieeecga.ps.gz

<u>Improvements on a Heuristic Algorithm for Multiple-Query.. - Shim (1994)</u> <u>(Correct)</u> <u>(20 citations)</u>
Improvements on a Heuristic Algorithm for **Multiple**-Query Optimization Kyuseok Shim y Timos
be extended to deal with implied relationships. To **model** the existence of both identical and implied
implications among tasks are included in the cost **model**. The following quantities were used as input
dblab.kaist.ac.kr/~shim/dke94.ps.gz

<u>A SPMD Monitor/Debugger for the Fujitsu Cellular Array.. - Johnson, Mackerras (1993)</u> <u>(Correct)</u> <u>(1 citation)</u>
of our debugger provides for this with **multiple** simultaneous views, with the ability to add
The event history style of debugging uses a **trace** of the program's behaviour, recorded during a run
such as fixed geometric mesh or worker-farm **models**, can be supported by debugging methods tailored
cs.anu.edu.au/people/Chris.Johnson/workshop_90.ps

<u>Walk Backwards to Happiness - Debugging by Time Travel - Booth, Jones (1997)</u> <u>(Correct)</u> <u>(3 citations)</u>
for debugging that revolves around being able to **trace** back through the history of a particular
www.ep.liu.se/ea/cis/1997/009/14/cis9700914.ps

<u>Cache Optimization For Portable Computers - Su (1995)</u> <u>(Correct)</u>
nowadays. It examines the variability between **multiple** runs of same program and the impact of
the focus of much research [1, 2, 3, 8, 9] 1.2 **Trace**-Driven Simulation **Trace**-Driven Simulation is a
are needed to obtain accurate results, a simulation **model** and input **trace** data which represents the memory
ccc.cs.byu.edu/publications/ps/jun_prop.ps.gz

<u>Trace-Driven Simulation of Data-Alignment and other Factors .. - Markatos, Chronaki (1994)</u> <u>(Correct)</u>
memory access. Unfortunately, the existence of **multiple** copies of the same page introduces the problem
Trace-Driven Simulation of Data-Alignment and other
appear in Proceedings of International Workshop on **Model**ing, Analysis and Simulation of Computer and
www.ics.forth.gr/proj/arch-
vlsi/papers/1994.MASCOTS94.DATA_ALIGNMENT_IN_VIRTUAL_SHARED_MEMORY.ps.Z

<u>Design and Implementation of a Replay Framework based on a.. - Ihrig, Kambhampati (1996)</u> <u>(Correct)</u>
<u>(7 citations)</u>
in solving multi-goal problems. Cases covering **multiple** goals are stored only when subplans for
attempts a new problem, and achieves a solution, a **trace** of the decisions that fall on the derivation path
it has an adequate theory of problem similarity (**Hamm**ond 1990 Ihrig 1996 Ihrig &Kambhampati 1994
enws318.eas.asu.edu/pub/rao/doc/ihrig-aaai96-sent.ps

<u>Visualizing and Querying Distributed Event Traces with Hy+ - Consens, Hasan, Mendelzon (1994)</u> <u>(Correct)</u>
<u>(2 citations)</u>
communication events ev(A node may have **multiple** blobs associated with it, and blobs may be

Visualizing and Querying Distributed Event **Traces** with Hy Mariano P. Consens, Masum Z. Hasan,
Fig. 1. Visualizing tuples and hygraphs. data **model** we use is more general than graphs. Hygraphs, are
ftp.cs.toronto.edu/db/papers/adb94.col.ps.Z

A Model for Secure Protocols and Their Compositions - Heintze, Tygar (1996) (Correct) (34 citations)
many times. It is therefore important to **model multiple** (and possibly interleaved) invocations of the
in Figure 1. Figure 2 presents one possible **trace** of agent behavior. It records the actions of a
A **Model** for Secure Protocols and Their Compositions
www.cs.cmu.edu/afs/cs.cmu.edu/user/tygar/www/papers/timed-models/main.ps

Instruction Cache Effects of Different Code Reordering Algorithms - Lee (1994) (Correct) (4 citations)
demand on the instruction cache as code from **multiple** working sets need to coexist in the cache
algorithms on the MIPS R2000 [Kane 88] using **trace** based simulations. We show that code reordering
a reasonable sized first level cache. Therefore, we **model**ed a processor with a split first level cache. The
www.cs.washington.edu/homes/dlee/mypapers/quals.ps

TCP Vegas: New Techniques for Congestion Detection and.. - Brakmo, O'Malley, Peterson (1994) (Correct)
(293 citations)
network. Specifically, the simulator supports **multiple** hosts, each running a full protocol stack
180 240 300 360 420 480 540 600 Figure 1: TCP Reno **Trace** Examples. In this environment, actual x-kernel
connections and ethernets)Routers can be **model**ed either as a network node running the actual IP
netweb.usc.edu/yaxu/Vegas/Reference/vegas93.ps

Partial Orderings of Event Sets and Their.. - Luckham, Vera.. (1992) (Correct) (39 citations)
data type styles of defining interfaces, and **multiple** inheritance methods of reusing old interfaces to
the poset computation **model** in place of linear **traces** of events (possibly with timestamps)and in
design goals has been to adopt a computation **model** in which the synchronization, concurrency,
theory.stanford.edu/pub/katiyar/papers/Rapide/jss93.ps

Architectures, Costs, and Transformations - Skillicorn (Correct)
easy to make. 4 Parallel Software Development for **Multiple** Target Architectures Parallel programs can be
is executed, and gives rise to an implementation **trace**. Even for conventional imperative languages, a
This paper explores the relationship between cost.**models** and software development in a parallel setting.
www.qucis.queensu.ca/home/skill/./sweden.ps

A Real-Time Interval Logic and Its Decision Procedure - Ramakrishna, Dillon.. (1993) (Correct) (1 citation)
logic. Thus, a formula is interpreted on a linear **trace** of states, representing a possible execution of a
[2, 6] but unlike [10, 14, 20, 24]uses a dense **model** of time. A dense time domain is preferable to a
underlying time domain, as required for a discrete **model**. A dense time domain is also preferable for
alpha.ece.ucsb.edu/ftp/RTGIL/fsttcs93.ps.Z

Performing Replay in an OSF DCE Environment - Yuh Ming (1995) (Correct) (1 citation)
possible causes. A distributed program may have **multiple** processes or threads running on different (or
application to collect and display event **traces** showing the execution of its component processes
the caller events, since in the client/server **model** of computation the caller events affect how the
ccnga.uwaterloo.ca/pub/papers/Ps/conf11.ps.Z

EDPEPPS: An Environment for the Design and.. - Delaitre, Justo.. (1996) (Correct) (3 citations)
program behaviour. EDPEPPS is based on an MPMD (**Multiple** Process **Multiple** Data) process **model**, and
views
an animation-based representation of the resulting **trace**. The tools have been placed in many research
can rely on a simple and stable programming **model** (the von Neumann machine)parallel programmers
www.cpc.wmin.ac.uk/~edpepps/reports/edpepps18.ps.gz

On-line Avoidance of the Intrusive Effects of Monitoring on.. - Wanqing Wu (1996) (Correct) (1 citation)
distributed programming languages are composed of **multiple** processes which are assigned for execution to
be performed off-line by postprocessing execution **traces** collected by running the instrumented program [5,
section we first describe the distributed execution **model** assumed in this paper and then identify the
www.cs.pitt.edu/~gupta/research/Dist/icdcs96a.ps

LaboImage: a Workstation Environment for Research in Image .. - Alain Jacot-Descombes (Correct)
also contains various specialized tools. These **multiple** processing modules and tools are first
geometrical transform. During the entire session, a **trace** of all the operations appears in the master
median and high pass filter, Gaussian and **Hamming** filter, edge preserving smoothing.
cui.unige.ch/sgaico/research/geneve/vision/ps.Z/Jacot.9307.LaboImage.ps.Z

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A Taste of Crispy Squid - Gadde, Chase, Rabinovich (1998) (Correct) (21 citations)
controlled conditions. Proxycizer accommodates **multiple trace** formats, allows a choice of request timing
Latency of the internal network. As the network **distance** between the servers in a collective cache
an exclusive portion of the global directory. This **model** is well-suited to typical ISP environments in
www.cs.wisc.edu/~cao/WISP98/final-versions/chase.ps

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<u>Multiple Shrinkage and Subset Selection in Wavelets - Clyde, Parmigiani, Vidakovic</u> (Correct) (43 citations)
Multiple Shrinkage and Subset Selection in Wavelets By
elements. We do this using a Bayesian hierarchical **model**, assigning a probability distribution to the
We focus on two important issues in statistical **model**ing with wavelets. The first is dimension
ftp.isds.duke.edu/pub/Users/brani/papers/ModMixWav.ps

<u>Writing a Client-Server Application in C++ - Guedes, Julin (1992)</u> (Correct) (1 citation)
and implementation and on the support for **multiple** implementations of the same interface. The class
Abstract Applicationsbased on the client-server **model** place a special emphasis on the specification of
issues into account. In this paper we present a **model** for writing client-server applications in C
ftp.cs.cuhk.hk/pub/mach3/src/mach_us/src/doc/usenix-c++-92.ps

<u>Implementation Of The Conjugate Gradient Method Using Short.. - Barth (1996)</u> (Correct)
Of The Conjugate Gradient Method Using Short **Multiple** Recursions By Teri L. Barth B. S.Colorado
www-math.cudenver.edu/graduate/thesis/tbarth.ps.gz

<u>Classifying Seismic Signals by Integrating Ensembles of.. - Shimshoni, Intrator (1996)</u> (Correct) (1 citation)
a classification scheme based on integration of **multiple** Ensembles of ANNs. It is demonstrated on a
local events vs. conventional explosions at near **distances**. Many of the methods appear in the literature
of a-priori knowledge about the true underlying **model** of the data in many real-life problems, leads the
ftp.math.tau.ac.il/pub/nin/papers/hong-kong.ps.Z

<u>Simulation Based Performance Evaluation of Mobile, Ad.. - Das, Castañeda, .. (2000)</u> (Correct) (9 citations)
routing algorithm or TORA [28] is maintaining **multiple** routes to the destination so that many
traditional protocols, such as link state and **distance** vector, used for dynamic networks. Performance
and routing load for a given traffic and mobility **model**. Both small (30 nodes) and medium sized (60
ringer.cs.utsa.edu/~jyan/paper/journal.ps

<u>Looking Forward: Education Network At The Threshold Of The.. - Castañeda</u> (Correct)
collaboration and cooperation links to develop **distance** education, within a scope either international,
we concluded as follows: 1. Any already made **model** was not a custom made **model** for us. 2. We had to
1. Any already made **model** was not a custom made **model** for us. 2. We had to design our own **model** in
cread.cstudies.ubc.ca/pdf_files/CREADProceedings/MorenoEngl.PDF

<u>The Primitive Distance-Transitive Representations of . . . - Linton, Lux, al. (1994)</u> (Correct)
one of the subdegrees would have to be a proper **multiple** of the bound, and the unexhibited orbit, which
The primitive **distance**-transitive representations of F i 22 ,F i 22
tamdhu.dcs.st-and.ac.uk/pub/sal/fispap/fispap.ps.gz

<u>Comparative Performance Evaluation of Routing.. - Das.. (1998)</u> (Correct) (41 citations)
routing algorithm or TORA [20] is maintaining **multiple** routes to the destination so that many
traditional protocols, such as link state and **distance** vector, used for dynamic networks. Performance
and routing load for a given traffic and mobility **model**. It is observed that the new generation of
ringer.cs.utsa.edu/~jyan/paper/IC3N.ps

<u>Fuzzy Behavioral Mobile Robot Navigation: Case Studies - Tong Paul</u> (Correct)
sensory systems. For example, to describe the **distance** of an obstacle in front of the robot, a
robot. Basic behavior of a mobile robot can be **model**ed by a set of fuzzy rules. Through fuzzy
systems are proposed to overcome complexity of **model**ing and uncertainty of internal representation of
www.ai.polymtl.ca/wbtong/papers/jcis98ic_2.ps.gz

<u>A courseware development methodology for Open and Distance Learning - Retalis</u> (Correct)
A courseware development methodology for Open and **Distance** Learning S. Retalis (retal@softlab.ntua.gr) Na
design and development (IDD) approaches and **model**s like Romizsowski's, Reigeluth's, Gagne's, etc.
based on variations of the waterfall life cycle **model**. The V-life cycle **model** has in its turn offered a

www.uni-koblenz.de/fb4/publikationen/gelbereihe/RR-14-97/retalis.ps.gz

A Framework For Collision Detection And Response - Lennerz, Schömer, Warken (Correct) (3 citations)
of our algorithms for collision detection and **distance** calculation. Both are described in section 2.3
and **distance** calculations for polygonal **models**. The simplest method to detect collisions
For reasons of simplicity virtual objects are often **model**led as rigid bodies, which are not subject to any
www-hotz.cs.uni-sb.de/~schoemer/publications/ESS99.ps.gz

Multi-Level Colour Halftoning Algorithms - Ostromoukhov, Emmel, Rudaz.. (Correct)
dot size ink-jet printers able to reproduce **multiple** intensity levels. Multi-level inkjet printers
ouput colour is made by computing the euclidian **distance** between the desired ouput colour plus the error
diwww.epfl.ch/w3lsp/pub/papers/colour/mlcha.ps.gz

Parallelizing Applications into Smart Memories - Babb, Rinard, Moritz, Lee.. (Correct)
we use for decomposing the application data into **multiple** clusters of small memories. Next, Section 5
locality and minimizes physical communication **distance**. It also generates an efficient static schedule
the interconnection between these memories. In our **model**, computation is performed in custom logic
www.cag.lcs.mit.edu/~barua/papers/smart-mem.ps.Z

On a Multi-Objective Evolutionary Algorithm and Its.. - Günter Rudolph (1998) (Correct) (21 citations)
the decision maker is almost always faced with **multiple**-usually conflicting-goals. In this
will be considerably simplified. For example, the **distance** d(x X minfkx\Gammax k :x 2 X
ls11-www.informatik.uni-dortmund.de/people/rudolph/papers/icec98.ps.gz

Camera Viewpoint Control for the Automatic Reconstruction of.. - Niem, Steinmetz (1996) (Correct)
is based on the evaluation of silhouettes from **multiple** camera views [1]4]5] shape from silhouettes,
silhouette contour points as the angle-varying **distance** C(from the projection of the rotational axis
1 INTRODUCTION Recently the need for realistic 3D **models** of real objects is growing in a variety of
ftp.tnt.uni-hannover.de/pub/papers/1996/ICIP96-WN.ps.gz

Improving Equipment Maintainability via Alarm Threshold Optimization - Weiss (Correct)
possible to have a phase due to interrupts on **multiple** devices, even if none of the devices actually
systems used to manage and maintain the AT&T long **distance** network. In this paper we describe an effort
www.cs.rutgers.edu/~gweiss/papers/threshold.ps

Physical System Modelling Languages: From ALLAN to Modelica - Jeandel, Boudaud (1997) (Correct)
(1 citation)
Physical Systemmodellinglanguages :From Allan To **Modelica** Alexandre Jeandel, Fabrice Boudaud Gaz De
- FRANCE alexandre.jeandel@edfgdf.fr ABSTRACT **Model**ling and simulation play a number of roles in
and rapidity. Studies are even more effective if **models** developed on previous occasions can be stored
www.dynasim.se/Modelica/papers/p303.ps

Fair SMG and Linear Time Model Checking - Barringer, Fisher, Gough (1989) (Correct) (3 citations)
Fair SMG and Linear Time **Model** Checking Howard Barringer, Michael D. Fisher and
is a system designed to generate a finite state **model** of a program from the program itself and an
for the programming language. This finite state **model** can then be **model**-checked to verify desired
www.doc.mmu.ac.uk/STAFF/michael/mdf-pubs/fair-smg.ps

A General NP-Completeness Theorem - Megiddo (1993) (Correct) (5 citations)
Nimrod Megiddo Revised) Abstract. A detailed **model** of a random access computation over an abstract
theorem and recent results in the real number **model** by Blum, Shub and Smale. 1. Introduction Blum,
Introduction Blum, Shub and Smale [2] formalized a **model** of computation over a general ring. They proved
www.math.tau.ac.il/~megiddo/./psfiles/smalecop.ps.gz

Characterization of Contention in Real Relational Databases - Singhal, Smith (1994) (Correct)
like the database size, data distribution on **multiple** nodes, data replication, and the access pattern.
attempts to minimize a measure of the total **distance** of the the data-curve over all points (a measure
Most of this literature uses either analytic **model**ing or random number driven simulation, and
ic.eecs.berkeley.edu/pub/Memos_ERL/csd94-801.ps.Z

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Mixture Models and the EM Algorithm for Object Recognition within.. - Utans (1993) (Correct)
or features that maximally discriminate between **multiple** stored **models**. Then, the training data derived
ffl 1-510-642-4274 ffl FAX 1-510-643-7684 Mixture **Models** and the EM Algorithm for Object Recognition
use the problem of part labelling in the context of **model** based object recognition where **models** are stored
ftp.icsi.berkeley.edu/pub/techreports/1993/tr-93-004.ps.gz

Analysis of Approximate Nearest Neighbor Searching with.. - Maneewongvatana, Mount (1999) (Correct)
(1 citation)
space is R d real d-dimensional space, where **distances** are measured using any Minkowski Lm **distance**
the expected query time on the training points. We **model** query processing as the problem of eliminating
Given a collection of query points, we can **model** any stage of the nearest neighbor algorithm as a
ftp.cs.umd.edu/pub/faculty/mount/Papers/dimacs99.ps.gz

Networked Information Retrieval as Distributed Problem Solving - Oates, Prasad, Lesser (1994) (Correct)
(1 citation)
which a query is to run. Users may have access to **multiple** corpora managed by a set of information servers
retrieval (IR) systems to re-evaluate their **model** of the world. Early IR systems assumed that users
should be inferred. 1 For a more formal **model** that characterizes the environment and problem
archive.cs.umbc.edu/pub/cikm/1994/iia/papers/oates.ps

The Network Architecture of the Connection Machine CM-5 - Leiserson, Abuhamdeh.. (1994) (Correct)
(161 citations)
best aspects of SIMD (single instruction path, **multiple** data path) and MIMD (**multiple** instruction path,
March 21, 1994 Abstract The Connection Machine **Model** CM-5 Supercomputer is a massively parallel
a hypercube or a mesh. The Connection Machine **Model** CM-5 Supercomputer has three networks, however,
www.ifi.uio.no/~oddvar/bib/papers/Lei+92.ps

Interprocedural Array Data-Flow Analysis for Cache Coherence - Choi, Yew (1995) (Correct) (3 citations)
or WAR (write-after-read) dependences among the **multiple** words in the same cache line can cause a false
we first describe our parallel program execution **model** and introduce a stale reference condition which
4 concludes the paper. 1.1 Parallel execution **model** The execution of a parallel program can be
polaris.cs.uiuc.edu/reports/1427.ps.gz

Multi-Channel Image Identification and Restoration Using.. - Tom, Lay, Katsaggelos (1995) (Correct)
(5 citations)
use the term multi-channel images to define the **multiple** image planes (channels) which are typically
true as well for A being complex. The key to this **proof** lies in the Cauchy-Riemann theorem [30]which
Structure Mathematically, it is common practice to **model** the degradation process as [9] y =Dx v 1)
www.ece.nwu.edu/~briant/papers/mc-2.ps.gz

Bayesian Phylogenetic Inference via Markov Chain Monte Carlo .. - Mau, Newton, Larget (1998) (Correct)
(5 citations)
the likelihood function from leaf data at **multiple** sites, we must marginalize (1) over all values
popular methods, one can categorize those using **distance** matrices (e.g.Fitch and Margoliash, 1967
the corresponding set of organisms, a stochastic **model** for these data, and a prior distribution on the
ftp.stat.wisc.edu/pub/newton/lastfinal.ps

acQuire-macros: An Algorithm for Automatically Learning.. - McGovern (1998) (Correct) (2 citations)
Learning hierarchical control structure for **multiple** tasks and changing environments. In From animals
bit. The robot has simulated sonars to sense the **distance** to the nearest wall in each of five fixed
learning with a hierarchy of abstract **models**. In Proceedings of the Tenth National Conference
www-anw.cs.umass.edu/~amy/pubs/mcgovern_nips98_workshop.ps.gz

Periodic Retrieval of Videos from Disk Arrays - Özden, Rastogi, Silberschatz (1997) (Correct) (1 citation)
We present two schemes that stripe videos across **multiple** disks in order to distribute the workload

each retrieval unit is striped over all the disks. **Proofs** of theorems in the paper can be found in [12]2.
a period. The period P i for a video V i is the **distance** (in rounds) between rounds in which successive
www.bell-labs.com/user/avi/publication-dir/periodic.ps

Face Recognition using Mixture-Distance and Raw Images - Steve Lawrence   (Correct)
The results show that even in the absence of **multiple** training examples for each class, it is
and Ingemar Cox, Face Recognition Using Mixture-**Distance** and Raw Images, 1997 IEEE International
on local second-order statistics as estimated by **model**ing the training data with a mixture of normal
www.neci.nj.nec.com/homepages/lawrence/papers/mixture-smc97/mixture-smc97-a4.ps.gz

A Loop-Free Algorithm Based On Predecessor Information - Murthy, Garcia-Luna-Aceves   (Correct)
the need for internodal synchronization spanning **multiple** hops or the specification of complete path
interneighbor synchronization mechanism. A detailed **proof** of correctness is presented and its complexity is
operates by specifying the second-to-last hop and **distance** to each destination in addition, it uses an
ftp.cse.ucsc.edu/pub/reinas/papers/shree.ic3n.ps.gz

ANALYSIS OF 7 NEARBY OPEN CLUSTERS USING HIPPARCOS DATA N.. - Arenou Turon   (Correct)
by a few degrees, or with a separation being a **multiple** of the basic angle between the two fields of
the membership of stars. The mean cluster **distances** have been derived from intermediate Hipparcos
from the calibration in luminosity of a solar **model** calculated with updated input physics (Lebreton
wwwhip.obspm.fr/~arenou/PS-papers/Venise/poster05_07.ps

Selected Topics in Computational Biology - DasGupta, Wang (1998)   (Correct)
evolutionary trees: construction and comparison **multiple** sequence alignment problems. 1 Introduction The
showed this problem to be NP-hard (an erroneous **proof** of the NP-hardness of the nni **distance** between
construction and comparison, computing syntenic **distances** between multi-chromosome genomes, and **multiple**
crab.rutgers.edu/~bhaskar/resume/publ/papers/lwang.chap4.ps.Z

A Path-Finding Algorithm for Loop-Free Routing - Garcia-Luna-Aceves, Murthy (1997)   (Correct)   (5 citations)
the need for internodal synchronization spanning **multiple** hops or the specification of complete or
to eliminate temporary routing loops. A detailed **proof** of LPA's correctness and loop-freedom property is
operates by specifying the second-to-last hop and **distance** to each destination this feature is used to
www.cse.ucsc.edu/research/ccrg/publications/shree.ton.ps.gz

Achieving a Fitts Law Relationship for Visual Guided Reaching - Ferrier (1998)   (Correct)
movements. Fine or accurate motions may require **multiple** corrective movements and hence the increase in
relationship between the motion time, the target **distance**, and the target width. These studies suggest
tracking methods require a sufficiently accurate **model** of the dynamics and accurate initialization
mechatron.me.wisc.edu/papers/iccv98.ps

Modelling Moving Objects in Multimedia Databases - Nabil, Ngu, Shepherd (1997)   (Correct)
and the time-varying relationships between **multiple** moving objects in a scene. Several new query
developed a higher-level representation using **distance** and direction, which we describe in Section 2.
Modelling Moving Objects in Multimedia Databases
www.cse.unsw.edu.au/~jas/papers/dasfaa97b/paper.ps.gz

Evolving Ant Colony Optimization - Botee, Bonabeau (1998)   (Correct)   (3 citations)
to a classical stochastic greedy algorithm with **multiple** starting points because ants are initially
ant k when ant k is currently on city i. 2) The **distance** d ij between i and j. d ij =d ji for a
N. 1969)Distribution management: mathematical **model**ing and practical analysis. Op. Res. Quart. 20,
www.santafe.edu/sfi/publications/Working-Papers/99-01-009.ps.gz

Compton Observatory Osse Observations Of Supernova 1991t - Leising Johnson   (Correct)
cm Gamma2 s Gamma1 depending on how the **multiple** observations are combined, for the 847 keV line
supernova SN 1987A (Hamuy et al. 1988)Definitive **proof** awaited the detection of the signature fl-ray
in the interval 66 to 79 days post-explosion. The **distance** to SN 1991T is quite uncertain, but these limits
osse-www.nrl.navy.mil/print60.ps

Quo Vadis - Adaptive Heuristics for Routing in Large.. - Mikler, Wong, Honavar (1995)   (Correct)
as their spatio-temporal dynamics to optimize **multiple** performance criteria through cooperation among
and reliable information transfer over very long **distances** has led to unprecedented expansion of such
arrival of messages. Assuming network nodes to be **modeled** as M/M/1 queues [Jain, 1991 Robertazzi, 1990]
www.cs.iastate.edu/tech-reports/TR95-10.ps

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IEEE STD	IEEE Standard

☐ **1. Model-checking real-time concurrent systems**
Romanovsky, I.;
Automated Software Engineering, 2001. (ASE 2001). Proceedings. 16th Annua
Conference on
26-29 Nov. 2001 Page(s):439

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☐ **2. Symbolic model checking for self-stabilizing algorithms**
Tsuchiya, T.; Nagano, S.; Paidi, R.B.; Kikuno, T.;
Parallel and Distributed Systems, IEEE Transactions on
Volume 12, Issue 1, Jan. 2001 Page(s):81 - 95
Digital Object Identifier 10.1109/71.899941

AbstractPlus | References | Full Text: PDF(564 KB)   **IEEE JNL**

☐ **3. jMocha: a model checking tool that exploits design structure**
Alur, R.; de Alfaro, L.; Grosu, R.; Henzinger, T.A.; Kang, M.; Kirsch, C.M.; Maju
F.; Wang, B.Y.;
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12-19 May 2001 Page(s):835 - 836
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☐ **4. A symbolic model checker for testing ASTRAL real-time specifications**
Zhe Dang; Kemmerer, R.A.;
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13-15 Dec. 1999 Page(s):174 - 181
Digital Object Identifier 10.1109/RTCSA.1999.811215

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☐ **5. Model checking large software specifications**
Chan, W.; Anderson, R.J.; Beame, P.; Burns, S.; Modugno, F.; Notkin, D.; Ree
Software Engineering, IEEE Transactions on
Volume 24, Issue 7, July 1998 Page(s):498 - 520
Digital Object Identifier 10.1109/32.708566

AbstractPlus | References | Full Text: PDF(488 KB)   **IEEE JNL**

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**Providing early feedback in the development cycle through automated ap
model checking to software architectures**
Barber, K.S.; Graser, T.; Holt, J.;
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26-29 Nov. 2001 Page(s):341 - 345

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7. **To model check or not to model check**
Saxena, N.; Baumgartner, J.; Saha, A.; Abraham, J.;
Computer Design: VLSI in Computers and Processors, 1998. ICCD '98. Procee
International Conference on
5-7 Oct. 1998 Page(s):314 - 320
Digital Object Identifier 10.1109/ICCD.1998.727067

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8. **Partial-order methods for model checking: from linear time to branching**
Willems, B.; Wolper, P.;
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27-30 July 1996 Page(s):294 - 303
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12-14 June 1996 Page(s):108 - 113
Digital Object Identifier 10.1109/EMWRTS.1996.557829

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Digital Object Identifier 10.1109/EDTC.1996.494120

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12. **Modeling and marshaling: making tests from model checker counterexar**
Black, P.E.;
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Volume 1, 7-13 Oct. 2000 Page(s):1B3/1 - 1B3/6 vol.1
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13. **Coverage estimation for symbolic model checking**
Hoskote, Y.; Kam, T.; Pei-Hsin Ho; Xudong Zhao;
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Digital Object Identifier 10.1109/DAC.1999.781330

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14. **Symbolic model checking: 10^{20} states and beyond**
Burch, J.R.; Clarke, E.M.; McMillan, K.L.; Dill, D.L.; Hwang, L.J.;
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☐ **15. Model checking with multi-valued temporal logics**
Chechik, M.; Easterbrook, S.; Devereux, B.;
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22-24 May 2001 Page(s):187 - 192
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☐ **16. Automatic verification of fault tolerance using model checking**
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Dependable Computing, 2001. Proceedings. 2001 Pacific Rim International Sy
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Digital Object Identifier 10.1109/PRDC.2001.992685

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☐ **17. Model checking of concurrent system with SDL‾ specification**
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☐ **18. Using model checking to generate tests from specifications**
Ammann, P.E.; Black, P.E.; Majurski, W.;
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9-11 Dec. 1998 Page(s):46 - 54
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☐ **19. Mapping temporal planning constraints into timed automata**
Khatib, L.; Muscettola, N.; Havelund, K.;
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14-16 June 2001 Page(s):21 - 27
Digital Object Identifier 10.1109/TIME.2001.930693

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☐ **20. Combining static analysis and model checking for software analysis**
Brat, G.; Visser, W.;
Automated Software Engineering, 2001. (ASE 2001). Proceedings. 16th Annu:
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26-29 Nov. 2001 Page(s):262 - 269

AbstractPlus | Full Text: PDF(833 KB)   IEEE CNF

☐ **21. Exploiting heap symmetries in explicit-state model checking of software**
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☐ **22. Using model checking to analyze network vulnerabilities**
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Security and Privacy, 2000. S&P 2000. Proceedings. 2000 IEEE Symposium c
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» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

☐   **1. Model-checking real-time concurrent systems**
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IEE CNF	IEE Conference Proceeding
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      AbstractPlus | References | Full Text: PDF(484 KB)   IEEE JNL

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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

☐ **1. An analysis of fault partitioned parallel test generation**
Wolf, J.M.; Kaufman, L.M.; Klenke, R.H.; Aylor, J.H.; Waxman, R.;
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction:
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1 **Hyperdocuments as automata: verification of trace-based browsing properties by model checking**   ◪
P. David Stotts, Richard Furuta, Cyrano Ruiz Cabarrus
January 1998 **ACM Transactions on Information Systems (TOIS)**, Volume 16 Issue 1

Full text available: 🅰 pdf(474.20 KB)   Additional Information: full citation, abstract, references, citings, index terms

We present a view of hyperdocuments in which each document encodes its own browsing semantics in its links. This requires a mental shift in how a hyperdocument is thought of abstractly. Instead of treating the links of a document as defining a static directed graph, they are thought of as defining an abstract program, termed the links-automaton of the document. A branching temporal logic notation, termed HTL*, is introduced for specifying properties a document should exhibi ...

Keywords: Petri nets, browsing semantics, hypermedia, hypertext, model checking, temporal logic

2 **Verifying security protocols with Brutus**   ◪
E. M. Clarke, S. Jha, W. Marrero
October 2000 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 9 Issue 4

Full text available: 🅰 pdf(347.12 KB)   Additional Information: full citation, abstract, references, citings, index terms

Due to the rapid growth of the "Internet" and the "World Wide Web" security has become a very important concern in the design and implementation of software systems. Since security has become an important issue, the number of protocols in this domain has become very large. These protocols are very diverse in nature. If a software architect wants to deploy some of these protocols in a system, they have to be sure that the protocol has the right properties as dictated ...

Keywords: authentication and secure payment protocols, formal methods, model-checking

3 **A compiler for analyzing cryptographic protocols using noninterference**   ◪
Antonio Durante, Riccardo Focardi, Roberto Gorrieri
October 2000 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 9 Issue 4

Full text available: 🅰 pdf(291.90 KB)   Additional Information: full citation, abstract, references, citings, index

terms

The Security Process Algebra (SPA) is a CCS-like specification languag e where actions belong to two different levels of confidentiality. It has been used to define several noninterference-like security properties whose verification has been automated by the tool CoSeC. In recent years, a method for analyzing security protocols using SPA and CoSeC has been developed. Even if it has been useful in analyzing small security protocols, this method has shown to be error-prone, as it requires the ...

Keywords: automatic verification, cryptographic protocols, noninterference, process algebra, verification tool

4 A practical method for verifying event-driven software
Gerard J. Holzmann, Margaret H. Smith
May 1999 **Proceedings of the 21st international conference on Software engineering**
Full text available: ⬛ pdf(1.40 MB)   Additional Information: full citation, references, citings, index terms

Keywords: case studies, feature interactive, formal methods, model checking, reactive systems, software testing, software verification, telephone call processing

5 Composite model-checking: verification with type-specific symbolic representations
Tevfik Bultan, Richard Gerber, Christopher League
January 2000 **ACM Transactions on Software Engineering and Methodology (TOSEM),**
Volume 9 Issue 1
Full text available: ⬛ pdf(400.17 KB)   Additional Information: full citation, abstract, references, citings, index terms

There has been a surge of progress in automated verification methods based on state exploration. In areas like hardware design, these technologies are rapidly augmenting key phases of testing and validation. To date, one of the most successful of these methods has been symbolic model-checking, in which large finite-state machines are encoded into compact data structures such as Binary Decision Diagrams (BDDs), and are then checked for safety and liveness properties. However, these technique ...

Keywords: Presburger arithmetic, binary decision diagrams, symbolic model-checking

6 Data flow analysis is model checking of abstract interpretations
David A. Schmidt
January 1998 **Proceedings of the 25th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**
Full text available: ⬛ pdf(1.42 MB)   Additional Information: full citation, references, citings, index terms

7 Bandera: extracting finite-state models from Java source code
James C. Corbett, Matthew B. Dwyer, John Hatcliff, Shawn Laubach, Corina S. Păsăreanu, Robby, Hongjun Zheng
June 2000 **Proceedings of the 22nd international conference on Software engineering**
Full text available: ⬛ pdf(345.15 KB)   Additional Information: full citation, abstract, references, citings, index terms

Finite-state verification techniques, such as model checking, have shown promise as a cost-effective means for finding defects in hardware designs. To date, the application of these techniques to software has been hindered by several obstacles. Chief among these is the problem of constructing a finite-state model that approximates the executable behavior of the software system of interest. Current best-practice involves hand-construction of models

which is expensive (prohibitive for all but ...

Keywords: abstract interpretation, model checking, model extraction, program specialization, program verification, slicing

8 Verification techniques for cache coherence protocols

Fong Pong, Michel Dubois

March 1997 **ACM Computing Surveys (CSUR)**, Volume 29 Issue 1

Full text available: pdf(1.25 MB)   Additional Information: full citation, abstract, references, citings, index terms

In this article we present a comprehensive survey of various approaches for the verification of cache coherence protocols based on state enumeration, (symbolic model checking, and symbolic state models. Since these techniques search the state space of the protocol exhaustively, the amount of memory required to manipulate that state information and the verification time grow very fast with the number of processors and the complexity of the protocol mechanism ...

Keywords: cache coherence, finite state machine, protocol verification, shared-memory multiprocessors, state representation and expansion

9 Using shape analysis to reduce finite-state models of concurrent Java programs

James C. Corbett

January 2000 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 9 Issue 1

Full text available: pdf(284.92 KB)   Additional Information: full citation, abstract, references, citings, index terms

Finite-state verification (e.g., model checking) provides a powerful means to detect concurrency errors, which are often subtle and difficult to reproduce. Nevertheless, widespread use of this technology by developers is unlikely until tools provide automated support for extracting the required finite-state models directly from program source. Unfortunately, the dynamic features of modern languages such as Java complicate the construction of compact finite-state models for verification. I ...

Keywords: Java, concurrent systems, finite-state verification, model extraction, modeling, shape analysis, state-space reductions

10 Modular refinement of hierarchic reactive machines

Rajeev Alur, Radu Grosu

January 2000 **Proceedings of the 27th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**

Full text available: pdf(1.62 MB)   Additional Information: full citation, abstract, references, citings, index terms

Scalable formal analysis of reactive programs demands integration of modular reasoning techniques with existing analysis tools. Principles such as abstraction, compositional refinement, and assume-guarantee reasoning are well understood for architectural hierarchy that describes the communication structure between component processes, and have been shown to be useful. In this paper, we develop the theory of modular reasoning for behavior hierarchy that describes control str ...

11 Formal verification in hardware design: a survey

Christoph Kern, Mark R. Greenstreet

April 1999 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 4 Issue 2

Full text available: pdf(411.53 KB)   Additional Information: full citation, abstract, references, citings, index terms

In recent years, formal methods have emerged as an alternative approach to ensuring the quality and correctness of hardware designs, overcoming some of the limitations of traditional validation techniques such as simulation and testing. There are two main aspects to the application of formal methods in a design process: the formal framework used to specify desired properties of a design and the verification techniques and tools used to reason about the relationship between a spec ...

Keywords: case studies, formal methods, formal verification, hardware verification, language containment, model checking, survey, theorem proving

12 HSIS: a BDD-based environment for formal verification
A. Aziz, F. Balarin, S.-T. Cheng, R. Hojati, T. Kam, S. C. Krishnan, R. K. Ranjan, T. R. Shiple, V. Singhal, S. Tasiran, H.-Y. Wang, R. K. Brayton, A. L. Sangiovanni-Vincentelli
June 1994 **Proceedings of the 31st annual conference on Design automation**

Full text available: pdf(91.11 KB)   Additional Information: full citation, references, citings, index terms

13 Model checking of hierarchical state machines
Rajeev Alur, Mihalis Yannakakis
November 1998 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 6th ACM SIGSOFT international symposium on Foundations of software engineering,** Volume 23 Issue 6

Full text available: pdf(1.09 MB)   Additional Information: full citation, abstract, references, citings, index terms

Model checking is emerging as a practical tool for detecting logical errors in early stages of system design. We investigate the model checking of hierarchical (nested) systems, i.e. finite state machines whose states themselves can be other machines. This nesting ability is common in various software design methodologies and is available in several commercial modeling tools. The straightforward way to analyze a hierarchical machine is to flatten it (thus, incurring an exponential blow up) and a ...

14 Requirements engineering in the year 00: a research perspective
Axel van Lamsweerde
June 2000 **Proceedings of the 22nd international conference on Software engineering**

Full text available: pdf(205.79 KB)   Additional Information: full citation, abstract, references, citings, index terms

Requirements engineering (RE) is concerned with the identification of the goals to be achieved by the envisioned system, the operationalization of such goals into services and constraints, and the assignment of responsibilities for the resulting requirements to agents such as humans, devices, and software. The processes involved in RE include domain analysis, elicitation, specification, assessment, negotiation, documentation, and evolution. Getting high-quality requirements is difficult and ...

15 Strategic directions in concurrency research
Rance Cleaveland, Scott A. Smolka
December 1996 **ACM Computing Surveys (CSUR),** Volume 28 Issue 4

Full text available: pdf(323.67 KB)   Additional Information: full citation, references, citings, index terms

16 Compositional verification of concurrent systems using Petri-net-based condensation rules
Eric Y. T. Juan, Jeffrey J. P. Tsai, Tadao Murata
September 1998 **ACM Transactions on Programming Languages and Systems (TOPLAS),** Volume 20 Issue 5

Additional Information: full citation, abstract, references, citings, index

Full text available: pdf(578.81 KB)   terms

The state-explosion problem of formal verification has obstructed its application to large-scale software systems. In this article, we introduce a set of new condensation theories: IOT-failure equivalence, IOT-state equivalence, and firing-dependence theory to cope with this problem. Our condensation theories are much weaker than current theories used for the compositional verification of Petri nets. More significantly, our new condensation theories can eliminate the interleaved behaviors ...

Keywords: Petri nets, boundedness, compositional verification, deadlock states, reachability analysis, reachability graphs, reachable markings

17 Formal verification of FIRE: a case study
Jae-Young Jang, Shaz Qadeer, Matt Kaufmann, Carl Pixley
June 1997 **Proceedings of the 34th annual conference on Design automation - Volume 00**
Full text available: pdf(93.19 KB)   Additional Information: full citation, abstract, references, citings, index
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We present our experiences with the formal verification of an automotivechip used to control the safety features in a car. We useda BDD based model checker in our work. We describe our verificationmethodology for verifying a very complicated property on arelatively large design. We also describe the bugs that were foundand present our views on how to make model checking an effectiveintegrated part of the design flow for complex hardware systems.

18 Using predicate abstraction to reduce object-oriented programs for model checking
William Visser, SeungJoon Park, John Penix
August 2000 **Proceedings of the third workshop on Formal methods in software practice**
Full text available: pdf(385.20 KB)   Additional Information: full citation, abstract, references, citings, index
                    terms

While it is becoming more common to see model checking applied to software requirements specifications, it is seldom applied to software implementations. The Automated Software Engineering group at NASA Ames is currently investigating the use of model checking for actual source code, with the eventual goal of allowing software developers to augment traditional testing with model checking. Because model checking suffers from the state-explosion problem, one of the main hurdles for program ...

Keywords: browsing

19 Symbolic model checking for event-driven real-time systems
Jin Yang, Aloysius K. Mok, Farn Wang
March 1997 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 19 Issue 2
Full text available: pdf(562.52 KB)   Additional Information: full citation, references, citings, index terms

Keywords: binary decision diagrams

20 Checking safety properties using compositional reachability analysis
Shing Chi Cheung, Jeff Kramer
January 1999 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,
Volume 8 Issue 1
Full text available: pdf(425.29 KB)   Additional Information: full citation, abstract, references, citings, index
                    terms

The software architecture of a distributed program can be represented by a hierarchical composition of subsystems, with interacting processes at the leaves of the hierarchy. Compositional reachability analysis (CRA) is a promising state reduction technique which can be automated and used in stages to derive the overall behavior of a distributed program based on its architecture. CRA is particularly suitable for the analysis of programs that are subject to evolutionary change. When a progra ...

Keywords: compositional reachability analysis, distributed systems, model checking, safety properties, static analysis

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1 Maximal incrementality in linear categorial deduction   ⬒

Mark Hepple

July 1997   **Proceedings of the 35th annual meeting on Association for Computational Linguistics , Proceedings of the eighth conference on European chapter of the Association for Computational Linguistics**

Full text available: 🅰 pdf(731.73 KB)
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Recent work has seen the emergence of a common framework for parsing categorial grammar (CG) formalisms that fall within the 'type-logical' tradition (such as the Lambek calculus and related systems), whereby some method of linear logic theorem proving is used in combination with a system of labelling that ensures only deductions appropriate to the relevant grammatical logic are allowed. The approaches realising this framework, however, have not so far addressed the task of incremental parsing - ...

2 Session: Mixing modes of linguistic description in Categorial Grammar   ⬒

Mark Hepple

March 1995 **Proceedings of the seventh conference on European chapter of the Association for Computational Linguistics**

Full text available: 🅰 pdf(609.23 KB)
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Recent work within the field of Categorial Grammar has seen the development of approaches that allow different modes of logical behaviour to be displayed within a single system, something corresponding to making available differing modes of linguistic description. Earlier attempts to achieve this goal have employed modal operators called *structural modalities*, whose use presents a number of problems. I propose an alternative approach, involving co-existence and interrelation of different ...

3 A practical approach to security assessment   ⬒

Darrell M. Kienzle, William A. Wulf

January 1998 **Proceedings of the 1997 workshop on New security paradigms**

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4 Factoring high-degree polynomials by the black box Berlekamp algorithm   ⬒

Erich Kaltofen, Austin Lobo

August 1994 **Proceedings of the international symposium on Symbolic and algebraic computation**

Full text available: ⬛ pdf(884.63 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

5 <u>Ushell: an environment for introduction to logic programming</u>   ⬓
L. Ümit Yalçinalp
March 1993 **Proceedings of the 1993 ACM/SIGAPP symposium on Applied computing: states of the art and practice**
Full text available: ⬛ pdf(561.34 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

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Systems, Man and Cybernetics, IEEE Transactions on
Volume 24, Issue 6, June 1994 Page(s):841 - 862
Digital Object Identifier 10.1109/21.293504

AbstractPlus | Full Text: PDF(2192 KB)   IEEE JNL

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Hyung Ki Lee; Dong Sam Ha;
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction:
Volume 15, Issue 9, Sept. 1996 Page(s):1048 - 1058
Digital Object Identifier 10.1109/43.536711

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Fleischer, L.; Jain, K.; Williamson, D.P.;
Foundations of Computer Science, 2001. Proceedings. 42nd IEEE Symposium
8-11 Oct. 2001 Page(s):339 - 347
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Abductive Theorem Proving for Analyzing Student.. - Makatchev, Jordan.. (2003) (Correct)
the student's intended meaning when there are **multiple proofs**. For example, if there are two equally good
under two conditions. First, there may be **multiple proofs** that are equally good. This condition
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[PS] Learning Domain Knowledge to Improve **Theorem** Proving
J Denzinger, S Schulz - CADE, 1996 - informatik.tu-muenchen.de
... be used as an indicator for its versatility (ie its ability to contribute to **multiple proofs**), while the ... The rst set contains patterns organized by **theorem**. ...
Cited by 27 - View as HTML - Web Search - cpsc.ucalgary.ca - portal.acm.org - agent.informatik.uni-kl.de - all 5 versions »

Social and Semiotic Analyses for **Theorem** Prover User Interface Design 1
J Goguen - Formal Aspects of Computing, 1999 - springerlink.com
... Distributed cooperative proving over the internet, allowing **multiple proofs** for (sub)goals ... Social and Semiotic Analyses for **Theorem** Prover User Interface 281 ...
Cited by 16 - Web Search - cse.ucsd.edu - charlotte.ucsd.edu - cs.ucsd.edu - all 9 versions »

Verbalization of high-level formal proofs
AM Holland-Minkley, R Barzilay, RL Constable - AAAI/IAAI, 1999 - cs.cornell.edu
... The generation system for the Coq **theorem** prover takes the approach of generating text for every step but aggregating the text for **multiple proofs** steps into a ...
Cited by 22 - View as HTML - Web Search - nuprl.org - cs.columbia.edu - sls.csail.mit.edu - all 10 versions »

Non-malleable non-interactive zero knowledge and adaptive chosen-ciphertext security
A Sahai - FOCS, 1999 - ieeexplore.ieee.org
... We first define efficient non-interactive proof sys- tems, and then give a definition of adaptive single- **theorem** non-interactive zero-knowledge (as in [FLS]): ...
Cited by 63 - Web Search - doi.ieeecs.org - doi.ieeecomputersociety.org - ai.mit.edu - all 8 versions »

Theorem Proving for Untyped Constructive λ-Calculus: Implementation and Application
A Ramsay - Logic Journal of the IGPL, 2001 - oup.co.uk
... 94 **Theorem** proving for untyped constructive λ-calculus ... ground at the point when it is called, we know that there is no point in finding **multiple proofs** of it. ...
Cited by 5 - View as HTML - Web Search - oup.co.uk - oup.co.uk - jigpal.oupjournals.org - all 5 versions »

[PS] Automatic Acquisition of Search Control Knowledge from Multiple Proof Attempts
J Denzinger, S Schulz - Information and Computation, 2000 - informatik.tu-muenchen.de
... extensions of it provide a good basis for learning approaches to control the search of a **theorem** prover ... Our approach uses **multiple proofs** for dierent prob- lems ...
Cited by 3 - View as HTML - Web Search - ingentaconnect.com - portal.acm.org - all 4 versions »

Muse - A Computer Assisted Verification System
JD Halpern, S Owre, N Proctor, WF Wilson, I Sytek - IEEE Transactions on Software Engineering, 1987 - doi.ieeecomputersociety.org
... This naming facility was exploited mostly to develop proof frag- ments that were used as parts of **multiple proofs**. The **Theorem** Prover section con- tains a more ...
Cited by 3 - Web Search - portal.acm.org - portal.acm.org - csa.com

[PS] Term Space Mapping for DISCOUNT
S Schulz - Proc. of the CADE-15 Workshop on Using AI methods in ..., 1998 - informatik.tu-muenchen.de
... Finally, the generalized equations from **multiple proofs** are compiled into a term space map, which is used in the main **theorem** prover to evaluate facts during ...
Cited by 2 - View as HTML - Web Search

[PS] Lemma Usage in Connection Method **Theorem** Proving

G Neugebauer - 1990 - intellektik.informatik.tu-darmstadt.de
... 6 Conclusion We have shown a method to use lemmas and pending subgoals inside a
connection method **theorem** prover to avoid **multiple proofs** of the same literal. ...
Cited by 1 - View as HTML - Web Search - intellektik.informatik.tu-darmstadt.de

Inference-Security Analysis Using Resolution **Theorem**-Proving

NC Rowe - ICDE, 1989 - cs.nps.navy.mil
... Resolution **theorem**-prover with ... inferred clause2(C,T,C2,T2) :- subset(C,C2),
not(T=T2), interval_overlap(T,T2,T3), write('**Multiple proofs** found of clause ...
Cited by 1 - Cached - Web Search - ieeexplore.ieee.org - portal.acm.org - portal.acm.org

Fast Verification of Any Remote Procedure Call: Short Witness-Indistinguishable One-Round Proofs for ...

W Aiello, SN Bhatt, R Ostrovsky, S Rajagopalan - ICALP, 2000 - springerlink.com
... Our result also has interesting connection to the PCP **theorem** [2]. Recall that in
the PCP settings Prover must send to the Verifier an entire proof. ...
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Promoting appropriate uses of technology in mathematics teacher preparation

J Garofalo, H Drier, S Harper, MA Timmerman, T ... - Contemporary Issues in Technology and Teacher
Education, 2000 - citejournal.org
... representations of the mathematical structure of the Pythagorean **theorem**. ... interconnect
mathematics topics, write programs, devise **multiple proofs** and solutions ...
Cited by 16 - View as HTML - Web Search - aace.org - citejournal.org

Domain-independent task specification in the TACITUS natural language system

M Tyson, JR Hobbs, AI Center - 1990 - isi.edu
... At each iteration in one of the inner loops, the **theorem** prover checks to see ... If
multiple proofs have been found, the analysis module is given multiple sets of ...
Cited by 1 - View as HTML - Web Search - isi.edu - Library Search

[PS] An Overview of the Tecton Proof System

D Kapur, X Nie, DR Musser - Theoretical Computer Science, 1994 - cs.albany.edu
... inference mechanisms used to prove rst-order formulas arising in specication analysis
and in building theories, and the integration into the **theorem** prover of ...
Cited by 24 - View as HTML - Web Search - cs.unm.edu - portal.acm.org - csa.com - all 5 versions »

Maximal Incrementality in Linear Categorial Deduction

M Hepple - ACL, 1997 - acl.ldc.upenn.edu
... Approaches within this framework employ a **theorem** proving method that ... equivalence',
also called 'spurious ambiguity', ie allowing **multiple proofs** which assign ...
Cited by 2 - View as HTML - Web Search - portal.acm.org - aclweb.org - dcs.shef.ac.uk - all 8 versions »

A Practical Approach to Security Assessment

DM Kienzle, WA Wulf - Proceedings of the 1997 New Security Paradigms Workshop, 1997 - portal.acm.org
... Even in mathematics, we often see **multiple proofs** of the same **theorem**-because proofs,
like MOATS, are not intended to "prove" but rather to convince the ...
Cited by 9 - Web Search - seclab.cs.ucdavis.edu - cs.virginia.edu - portal.acm.org

Single axioms for groups and Abelian groups with various operations

W McCune - Journal of Automated Reasoning, 1993 - springerlink.com
... than as a multiliteral clause and marked success with **multiple proofs** rather than
with ... Aside from automated **theorem** proving, OTTER can also serve as a symbolic ...
Cited by 28 - Web Search - mirror.mcs.anl.gov - info.mcs.anl.gov

Hardness of approximate hypergraph coloring

V Guruswami, J Haastad, M Sudan - Electronic Colloquium on Computational Complexity (ECCC), 2000 -
epubs.siam.org
... r, q)-restricted if, on input x (implying the **theorem** $x \in L$ ... the probability with
which the verifier accepts a given input, here we allow **multiple proofs** to be ...

Cited by 28 - Web Search - cs.washington.edu - theory.lcs.mit.edu - http.nada.kth.se - all 17 versions »

[PS] The Generality of Overgenerality
WW Cohen - ML, 1991 - www-2.cs.cmu.edu
... used, but as in learning relational concepts, the presence of **multiple proofs** means
that ... enumerating the above list of rules is to modify the **theorem** prover to ...
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An iterative rounding 2-approximation algorithm for the element connectivity problem
L Fleischer, K Jain, DP Williamson - ANNU SYMP FOUND COMPUT SCI PROC. pp. 339-347. 2001, 2001 -
ieeexplore.ieee.org
... the same connected component of G−X. The constraints of our integer program are
based on a **theorem** of Menger (for **multiple proofs** and references, see [5]). ...
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Solving Open Questions and Other Challenge Problems Using Proof Sketches
R Veroff - Journal of Automated Reasoning, 2001 - kluweronline.com
... If we have **multiple proof** sketches for a target theorem, we may consider each to
provide potentially valuable guidance and can consider them simultaneously. ...
Cited by 15 - Web Search - springerlink.com - ingentaconnect.com - portal.acm.org

Automated generation of readable proofs with geometric invariants
SC Chou, XS Gao, JZ Zhang - Journal of Automated Reasoning, 1996 - springerlink.com
... This is the basis for **multiple proof** generation. ... Most of the previous work of
automated theorem proving generally satisfy with one proof. ...
Cited by 10 - Web Search - springerlink.com - csa.com - csa.com

A Survey of Automated Deduction
A Bundy - Artificial Intelligence Today, 1999 - springerlink.com
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The University of Edinburgh Edinburgh EH1 2QL Abstract. ...
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[PS] Solving Open Questions and Other Challenge Problems Using Proof Sketches
R Vero - J. Automated Reasoning, 2001 - cs.unm.edu
... If we have **multiple proof** sketches for a target theorem, we may consider each to
provide potentially valuable guidance and can consider them simultaneously. ...
Cited by 3 - View as HTML - Web Search - cs.unm.edu

[PS] The Boyer-Moore theorem prover and its interactive enhancement
RS Boyer, M Kaufmann - Computers and Mathematics with Applications, 1995 - cs.utexas.edu
... abbreviation and comment mechanisms commands for undoing and restoring (undoing
the undoing) support for saving **multiple proof** contexts ...
Cited by 34 - View as HTML - Web Search - cs.utexas.edu - primate.or.kr

The PROSPER toolkit
LA Dennis, G Collins, M Norrish, RJ Boulton, K ... - TACAS, 2000 - springerlink.com
Page 1. Int J Softw Tools Technol Transfer (2003) 4: 189–210 / Digital Object
Identifier (DOI) 10.1007/s100090200076 The P ROSPER toolkit ...
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A taxonomy of parallel strategies for deduction
MP Bonacina - Annals of Mathematics and Artificial Intelligence, 2000 - kluweronline.com
Page 1. Annals of Mathematics and Artificial Intelligence 29: 223–257, 2000. ©
2001 Kluwer Academic Publishers. Printed in the Netherlands. ...
Cited by 14 - Web Search - springerlink.com - cs.uiowa.edu - sci.univr.it - all 6 versions »

Reasoning Theories
F Giunchiglia, P Pecchiari, CL Talcott - Journal of Automated Reasoning, 2001 - springerlink.com
... forward rule composition (à la tactics; see, eg, (Gordon et al., 1979)), but also
all the usual tricks and annotations used in **automated theorem** provers, for ...
Cited by 53 - Web Search - kluweronline.com - steam.stanford.edu - portal.acm.org - all 9 versions »

[BOOK] Formalized mathematics
J Harrison, A Reasoning - 1996 - crest.abo.fi
Page 1. Formalized Mathematics John Harrison Turku Centre for Computer Science TUCS
Technical Report No 36 August 1996 ISBN 951-650-813-8 ISSN 1239-1891 Page 2. ...

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[BOOK] New Foundations for Automation of Default Reasoning
T Linke - 2000 - print.google.com
Page 1. DISK! 237 I II illUNiIIIIIHIUI 45E6-4KD-N1P2 Page 2. DISKI
Dissertationen zur KUnstlichen Intelligenz Mit Unterstutzung des ...
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[PS] Formalized Mathematics (DRAFT)
J Harrison - Available from the author at jharriso@ abo. fi or http://www ..., 1996 - cl.cam.ac.uk
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The design of the seer predictive caching system
G Kuenning, GJ Popek - Proc. of IEEE Workshop on Mobile Computing Systems & ..., 1994 - ieeexplore.ieee.org

... the user's se- quence of file accesses as the basis of our **distance measure**. ... is the
appearance of utility pro- grams, such as Ibm/cc, in the reference **trace**. ...
Cited by 48 - Web Search - cs.ucla.edu - tcos.org - cs.odu.edu - all 5 versions »

Quantitative comparison of classification capability: Fully polarimetric versus dual and single-
...
JS Lee, MR Grunes, E Pottier - IEEE Transactions on Geoscience and Remote Sensing, 2001 -
ieeexplore.ieee.org
... where dimension of the vector ; reciprocal case; bistatic case; **trace** of a ... Data
Classifier For terrain or land-use classification, a **distance measure** [13] was ...
Cited by 14 - Web Search - ieeexplore.ieee.org

Quantification of injury-related EEG signal changes using Itakura distance measure
X Kong, V Goel, N Thakor - Acoustics, Speech, and Signal Processing, 1995. ICASSP-95., ..., 1995 -
ieeexplore.ieee.org
... set a models the test signal by calculating aTRcx (6) Combining (3) and (6) we have
a symmetric **distance measure** di(r ... Each **trace** has a duration of five seconds. ...
Cited by 4 - Web Search - ieeexplore.ieee.org

Transcribing Radio News
F Kubala, T Anastasakos, H Jin, L Nguyen, R ... - Proceedings of ICSLP-96, Philadelphia PA, Oct, 1996 -
ieeexplore.ieee.org
... The noisy **trace** is the value of the **distance measure** computed at each frame
position in a 214 second segment containing 9 speaker turns. ...
Cited by 7 - Web Search - ieeexplore.ieee.org

[PS] Fast Non-Linear Dimension Reduction
N Kambhatla, TK Leen - NIPS, 1993 - archive.cis.ohio-state.edu
... of the representation layer are swept, the outputs **trace** out the ... The modied VQPCA
algorithm (with the reconstruction **distance measure** used for clustering ...
Cited by 53 - View as HTML - Web Search - cs.cuhk.hk - neural.cse.ogi.edu - funet.fi - all 7 versions »

Reliable feature matching across widely separated views
A Baumberg - CVPR, 2000 - doi.ieeecomputersociety.org
... at some scale t and is the image convolution operator over x 2 < 2 . A Harris corner
strength measure is calculated from the determinant and the **trace** of this ...
Cited by 122 - Web Search - doi.ieeecs.org - ieeexplore.ieee.org - cre.canon.co.uk - all 10 versions »

A Data-Driven Method for Choosing Smoothing Parameters in Optical Flow Problems
L Ng, V Solo - The 1997 International Conference on Image Processing. Part ..., 1997 -
doi.ieeecomputersociety.org
... For our purpose, we modify the method described in [9] by using W as the weight
in the **distance measure** instead of the blurring operator. ... n 2 **trace** , WA ,1 W T ...
Cited by 7 - Web Search - doi.ieeecs.org - ieeexplore.ieee.org - portal.acm.org - all 6 versions »

A Program for Aligning Sentences in Bilingual Corpora
WA Gale, KW Church - Computational Linguistics, 1994 - portal.acm.org
... innovation into the structure of the **distance measure**. Kruskal and Liberman (1983)
describe distance measures as belonging to one of two classes: **trace** and time ...
Cited by 355 - Web Search - citeseer.csail.mit.edu - aclweb.org - cs.mu.oz.au - all 24 versions »

Distance-based redundancy analysis: Testing multispecies responses in multifactorial ecological ...

P Legendre, MJ Anderson - Ecological Monographs, 1999 - bio.umontreal.ca
... Steps in the procedure include: (1) calculating a matrix of distances among replicates
using a **distance measure** of choice (eg, Bray-Curtis); (2) determining ...
Cited by 78 - View as HTML - Web Search - fas.umontreal.ca - csa.com

Feature Comparisons of 3-D Vector Fields Using Earth Mover's Distance

R Batra, L Hesselink, CA Stanford, CA Stanford - IEEE Visualization, 1999 - ieeexplore.ieee.org
... work, rethinking the representation of a critical point signature and the **distance
measure** be- tween ... where P = -**trace**(J) and Q = det(J) is used to clas- sify ...
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| trace "distance measure" | | Search |

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Results **11 - 20** of about **177** for **trace "distance measure" proof**. (0.15 seconds)

[PS] Distance measures in terms of substitution processes

E Baake, A von Haeseler - Theor. Popul. Biol, 1999 - zi.biologie.uni-muenchen.de

... any tree-additive pair- wise **distance measure**. 2 Introduction ... R and S . Since
commutators have vanishing **trace**, we may note, for later use: ...

Cited by 9 - View as HTML - Web Search - techfak.uni-bielefeld.de - ingentaconnect.com - all 4 versions »

Entanglement measures and purification procedures

V Vedral, MB Plenio - Physical Review A, 1998 - dx.doi.org

... and the **proof** is completed.The physical explanation ... 2. Bures metric Another **distance**
measure that leads ... increaseunder a complete positive **trace** preserving map ...

Cited by 264 - Web Search - arxiv.org - vlatko.madetomeasure.biz - puhep1.princeton.edu - all 9 versions »

Subspace angles and distances between ARMA models

K De Cock, B De Moor - Proc. of Mathematical Theory of Networks and Systems, 2000 - univ-perp.fr

... Keywords: principal angles, ARMA models, linear sys- tems, stochastic realization,
distance measure ... and U 2 V are the principal directions (for a **proof** see eg ...

Cited by 14 - View as HTML - Web Search - esat.kuleuven.ac.be

A nearest hyperrectangle learning method

S Salzberg - Machine Learning, 1991 - springerlink.com

... This **proof** of this result is via a reduction to a ... As we **trace** out the surface, we
find it alter- nates ... hole in the outer one, so the **distance measure** does not ...

Cited by 191 - Web Search - kluweronline.com - ingentaconnect.com - portal.acm.org - all 7 versions »

Binomial mixtures: geometric estimation of the mixing distribution

GR Wood - Ann. Statist, 1999 - projecteuclid.org

... p runs from 0 to 1 such points **trace** out the ... coB n we smooth it, using a **distance**
measure, to a ... hinge on the following fact, demonstrated in [27], **proof** of The ...

Cited by 2 - Web Search - www-ist.massey.ac.nz - projecteuclid.org

Passive velocity field control of mechanical manipulators

PY Li, R Horowitz - IEEE Transactions on Robotics and Automation, 1999 - ieeexplore.ieee.org

... where 0 is a constant and is the gradient vector field of the **distance measure** with
respect to while keeping constant (see [3] for ... **Proof**: Notice that, since . ...

Cited by 48 - Web Search - me.umn.edu - me.umn.edu - dx.doi.org - all 5 versions »

s. N. G. cnu

F REN - ELECTRONICS LETTERS, 1991 - ieeexplore.ieee.org

... mV output with twice frequency (lower **trace**) Acknowledgment: One ... INSIGHT INTO OPERATION
OF KULPA BOUNDARY **DISTANCE MEASURE** ... is valid, though the **proof** is purely ...

Web Search

M. You and AKC Wong,"An algorithm for graph optimal isomor-

HA Sneath, RR Sokal, N Taxonomy, S Francisco, BA ... - Genetics, 1969 - doi.ieeecomputersociety.org

... where tr denotes the **trace** of the matrix and det ... the full divergence measure, a similar
proof is given ... compared with the Itakura-Saito **distance measure** for a ...

Web Search - doi.ieeecs.org

Modeling the covarion hypothesis of nucleotide substitution

C Tuffley, M Steel, N Zealand - Math. Biosci, 1998 - math.canterbury.ac.nz

... follows from an argument similar to the **proof** of Bernstein ... across-sites model if
only the **trace** of the ... based on the construction of a **distance measure** which is ...
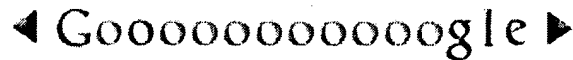
Minimum Spanning Trees for Gene Expression Data Clustering

Y Xu, V Olman, D Xu - Proceedings of the 12th International Conference on Genome ..., 2001 - hc.ims.u-tokyo.ac.jp
... We omit the detailed **proof**. ... minimum value, we need some simple bookkeeping to **trace**
back which ... on a user's selection of the **distance measure**, the program ...

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